

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☒ Multiple Zone

2. Name of Operator
PETROGLYPH OPERATING CO., INC.

3a. Address **P.O. BOX 607,
ROOSEVELT, UT 84066**

3b. Phone No. (Include area code)
(435)722-2531

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface **2595' FSL, 2623' FWL** **NE/SW**
564333X **40.017431**
4429754 Y **-110.246168**
At proposed prod. Zone

5. Lease Serial No.
14-20-H62-3518

6. If Indian, Allottee or Tribe Name
UTE INDIAN TRIBE

7. If Unit or CA Agreement, Name and No.
UTE TRIBAL

8. Lease Name and Well No.
UTE TRIBAL 29-11G

9. API Well No.
43-013-34292

10. Field and Pool, or Exploratory
ANTELOPE CREEK

11. Sec., T., R., M., or Blk. and Survey or Area

**SEC. 29, T5S, R3W,
U.S.B.&M.**

14. Distance in miles and direction from nearest town or post office*
15.27 MILES SOUTHWEST OF BRIDGELAND, UTAH

12. County or Parish **DUCHESNE** 13. State **UTAH**

15. Distance from proposed*
location to nearest
property or lease line, ft. **2595'**
(Also to nearest drig. Unit line, if any)

16. No. of Acres in lease
640.0

17. Spacing Unit dedicated to this well

18. Distance from proposed location*
to nearest well, drilling, completed, **See Topo**
applied for, on this lease, ft. **Man "C"**

19. Proposed Depth
5967'

20. BLM/BIA Bond No. on file
BO 4556

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6502.9 FEET GRADED GROUND

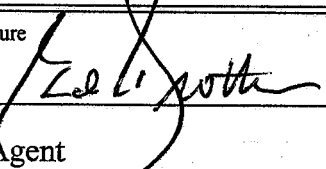
22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature  Name (Printed/Typed) **Ed Trotter** Date **September 9, 2009**

Title
Agent

Approved by (Signature)  Name (Printed/Typed) **BRADLEY G. HILL**
ENVIRONMENTAL MANAGER

Title Office

Date
11-02-09

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of Approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any Department or Agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Continued on page 2)

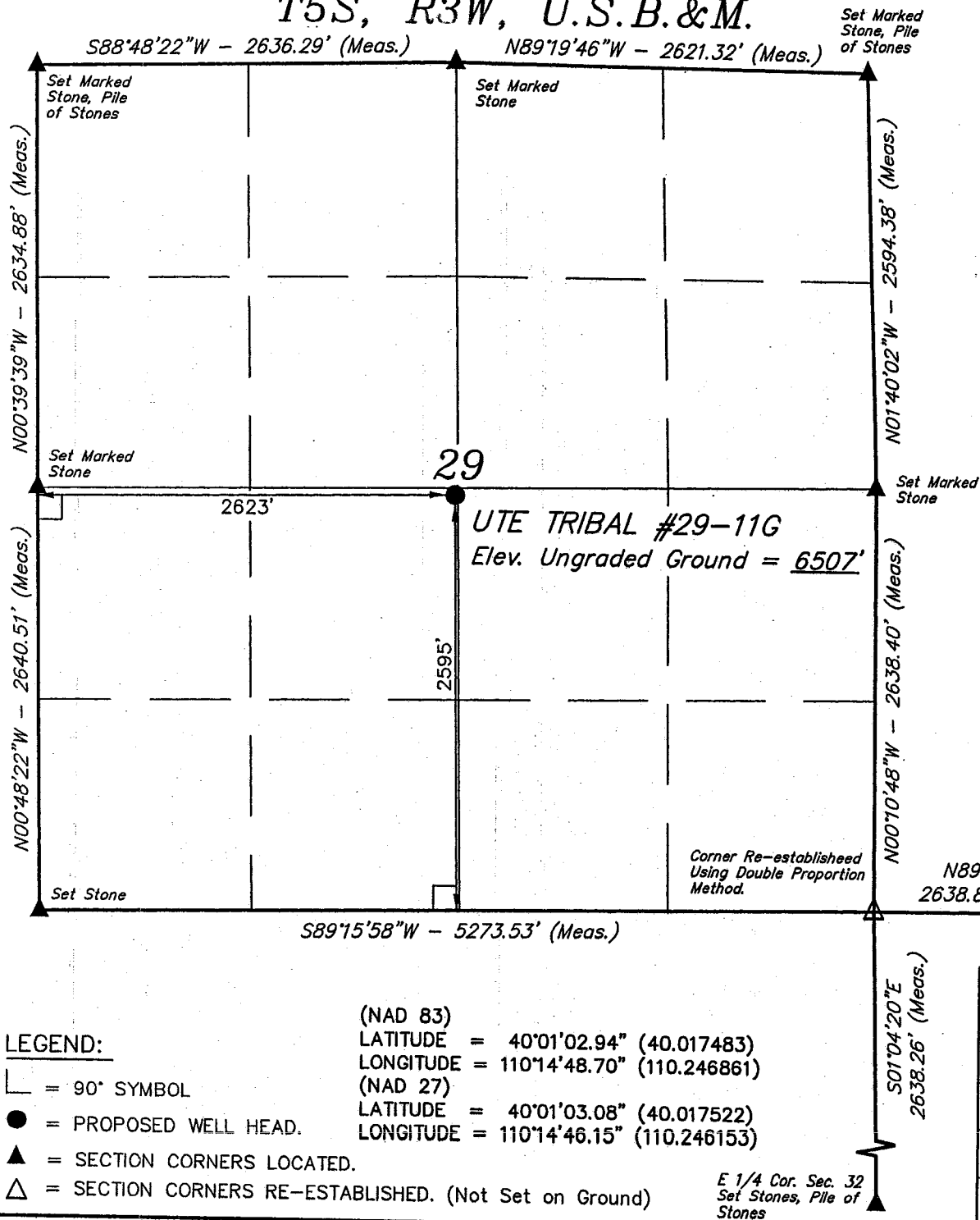
**Federal Approval of this
Action is Necessary**

RECEIVED

OCT 26 2009

DIV. OF OIL, GAS & MINING

T5S, R3W, U.S.B.&M.



PETROGLYPH OPERATING CO., INC.

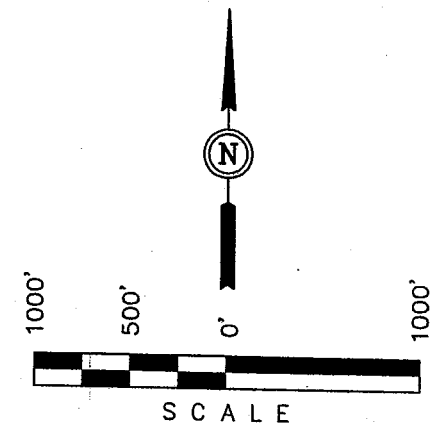
Well location, UTE TRIBAL #29-11G, located as shown in the NE 1/4 SW 1/4 of Section 29, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

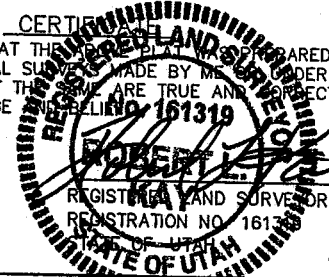
BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE SURVEY PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-15-09	DATE DRAWN: 02-09-09
PARTY B.B. T.A. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PETROGLYPH OPERATING CO., INC.	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground)

(NAD 83)
LATITUDE = 40°01'02.94" (40.017483)
LONGITUDE = 110°14'48.70" (110.246861)
(NAD 27)
LATITUDE = 40°01'03.08" (40.017522)
LONGITUDE = 110°14'46.15" (110.246153)

E 1/4 Cor. Sec. 32
Set Stones, Pile of
Stones

Petroglyph Operating Co., Inc.
P.O. Box 607
Roosevelt, UT 84066

September 9, 2009

Utah Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL 29-11G
NE/SW, SECTION 29, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3518
UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420

Sincerely,



Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

RECEIVED

OCT 26 2009

DIV. OF OIL, GAS & MINING

CONFIDENTIAL
EIGHT POINT PLAN

UTE TRIBAL 29-11G
NE/SW, SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2843.0	3660
"X" Marker	4406.0	2097
Douglas Creek	4547.0	1956
"B" Limestone	4919.0	1584
B/Castle Peak Limestone	5472.0	1031
Total Depth	5967	536

Anticipated BHP 2520

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4547.0	1956
Oil/Gas	B/Castle Peak	5472.0	1031
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

Hole	Casing	Top – MD	Bottom – MD	Weight lb/ft	Grade	Thread
18"	14"	sf	40'	steel	cond	none
12 1/4"	9 5/8"	sf	480'	36.0	J-55	STC
8 3/4"	7"	sf	6250'	26.0	L-80	LTC

Casing Strengths:				Collapse	Burst	Tensile
9 5/8"	36.0 lb	J-55	STC	2,020 psi	3,520 psi	394,000 lb
7"	26.0 lb	L-80	LTC	5,410 psi	7,240 psi	511,000 lb

The horizontal lateral of this well will be cased with a slotted liner.

Hole	Casing	Top – MD	Bottom – MD	Weight lb/ft	Grade
6 1/8"	4 1/2"	5939'	8243'	11.6	J-55

All casing will be new or inspected.

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EIGHT POINT PLAN

**UTE TRIBAL 29-11G
NE/SW, SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH**

5. MUD PROGRAM

INTERVAL

0' - 480'
480' - TD

MUD TYPE

Air/Aerated Water
Water & KCL water or KCL substitute
Gel/polyacrylamide polymer w/5-10% LCM, LSND as conditions warrant

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. CEMENT PROGRAM:

20" Conductor:

Cement to surface with construction cement.

9 5/8" Casing: sfc-480' (MD)

Lead/Tail Slurry: 0' - 480': 170 sks (310 cu ft) Lite cement + 0.25 lbsk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft³/sk, Slurry volume: 12-1/4" hole + 25% excess.

7" Casing: sfc-6239' (MD)

Lead Slurry: sfc-4000': 200 sks Light Cement (11 PPG±, 3.81 ft³/sk) plus LCM (hole + 25% excess).

Tail Slurry:

4000'-6250': 338 sks 50/50 Pozmix (14 ppg±, 1.25 ft³/sk) + 2% Gell + 5% Salt + 0.125 lb/sk Poly-E-flake (hole + 25% excess).

4 1/2" Slotted Liner: 5939' - 8243' (MD)

No cement, dropped in open hole.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

1. Operator requests a variance to regulations requiring the blooie line discharge be 100' from the well bore. Due to reduced location size, the blooie line discharge will be approximately 75' from the well bore and securely anchored.
2. Operator requests a variance to regulations requiring a straight run blooie line. Due to the location of the flare pit the blooie line will have two targeted "Ts".

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EIGHT POINT PLAN

UTE TRIBAL 29-11G
NE/SW, SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH

3. Operator requests a variance to regulations requiring Deduster Equipment on the blooie line. A mister will be used at the end of the blooie line when drilling with air only.
4. Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. An air/air-mist drilling system will be used.
5. Operator requests a variance to regulations requiring the compressors be located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. Due to reduced location size the compressors will be located as close as is reasonable to the opposite direction from the blooie line and 75' from the well bore.

OPERATIONS:

All engine exhausts within 100 feet of the well bore will be equipped with spark arrestors.

All cuttings and circulating medium shall be directed into the reserve or booeie pit.

A float valve will be run above the bit with sufficient rating to prevent flow back.

An air/mist and fluid mud drilling system will be used.

All 5 1/2" casing will be new or inspected J-55 LT &C with a collapse resistance of 4,040 psi an internal yield pressure of 4,810 psi and a joint strength of 239,000 psi.

5. EVALUATION PROGRAM:

Logs: Platform Express TD to base of surface casing
(DLL, MSFL, CNG, CDL, GR)

Cores: None anticipated

DST: None Programmed

Completion: To be submitted at a later date.

6. ABNORMAL CONDITIONS:

None anticipated.

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EIGHT POINT PLAN

**UTE TRIBAL 29-11G
NE/SW, SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH**

7. STANDARD REQUIRED EQUIPMENT:

None Required

8. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

CONFIDENTIAL

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL 29-11G
NEW HORIZONTAL WELL
SUMMARIZED PROCEDURE

1. MIRU air rig.
2. Drill 12 1/4" surface hole to 480'±.
3. Run 9 5/8", 36#, J-55, STC casing and cement to surface.
4. RD air rig, move off location.
5. MIRU drilling rig.
6. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
7. PU straight hole BHA, drill out surface casing and 10' of new formation, run FIT.
8. Drill 8 3/4" hole to 5,300'.
9. TOOH, PU directional BHA, TIH.

10. Drill to 5,490', kick off and drill well at a 201.55° azimuth with 12°/100' build rates to land in Basal Carbonate formation at a TVD of +/- 5,967'; 6,239' MD.
11. Drill in zone to 6,250' MD. TOOH, LDDP.
12. PU and run 7", 26#, L-80, LTC casing to 6,250', cement casing.
13. PU 3 1/2" DP, directional BHA, TIH.
14. Drill +/- 2,000' of 6 1/8" lateral in Basal Carbonate.
 - a. Mud system to be a KCl weighted water-based mud, weights are expected to be in the 9.0-10.0 ppg range.
15. Circulate and condition hole, TOOH, LD 2,300' DP.
 - a. PU 2,000' of 4 1/2" slotted liner, 300' of blank liner and liner dropping tool.
 - b. RIH w/ liner and dropping tool, drop liner at 5,950'.
 - c. LDDP.
16. RU wireline, RIH and set RBP @ +/- 4,500' to isolate lateral.
17. ND BOP's.
18. RDMO.

PETROGLYPH



**UTE TRIBAL 29-11G
NE/SW, SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH**

9 5/8", 36#, J-55
@ 480'

12 1/4" hole

7", 26#, L-80
@ 6250'

8 3/4" hole

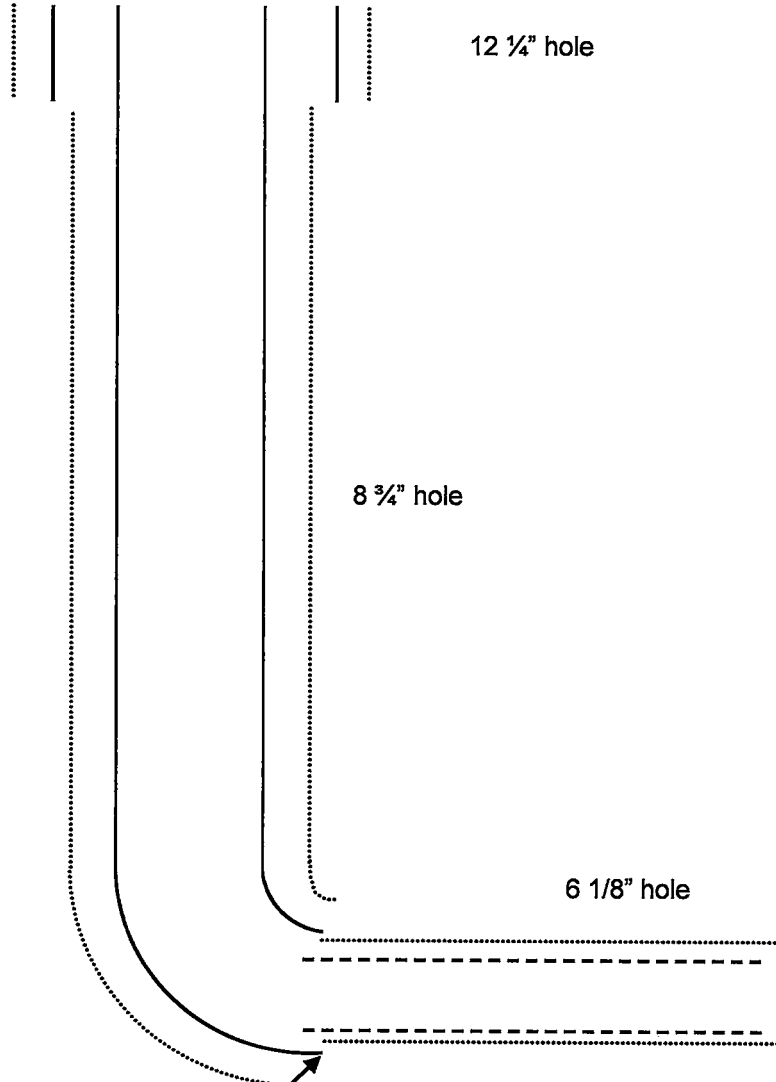
Kickoff Point @ 5490'
Build rate 12°/100'

6 1/8" hole

TD 8243' MD
TVD 5873'

7", 26#, L-80
@ 6250' MD TVD 5967'

4 1/2", 11.6" J-55 slotted
liner 5939'- 8243'





Project: Duchesne County, UT NAD83
Site: UTE Tribal
Well: UTE Tribal 29-11G
Wellbore: OH
Design: Plan 2

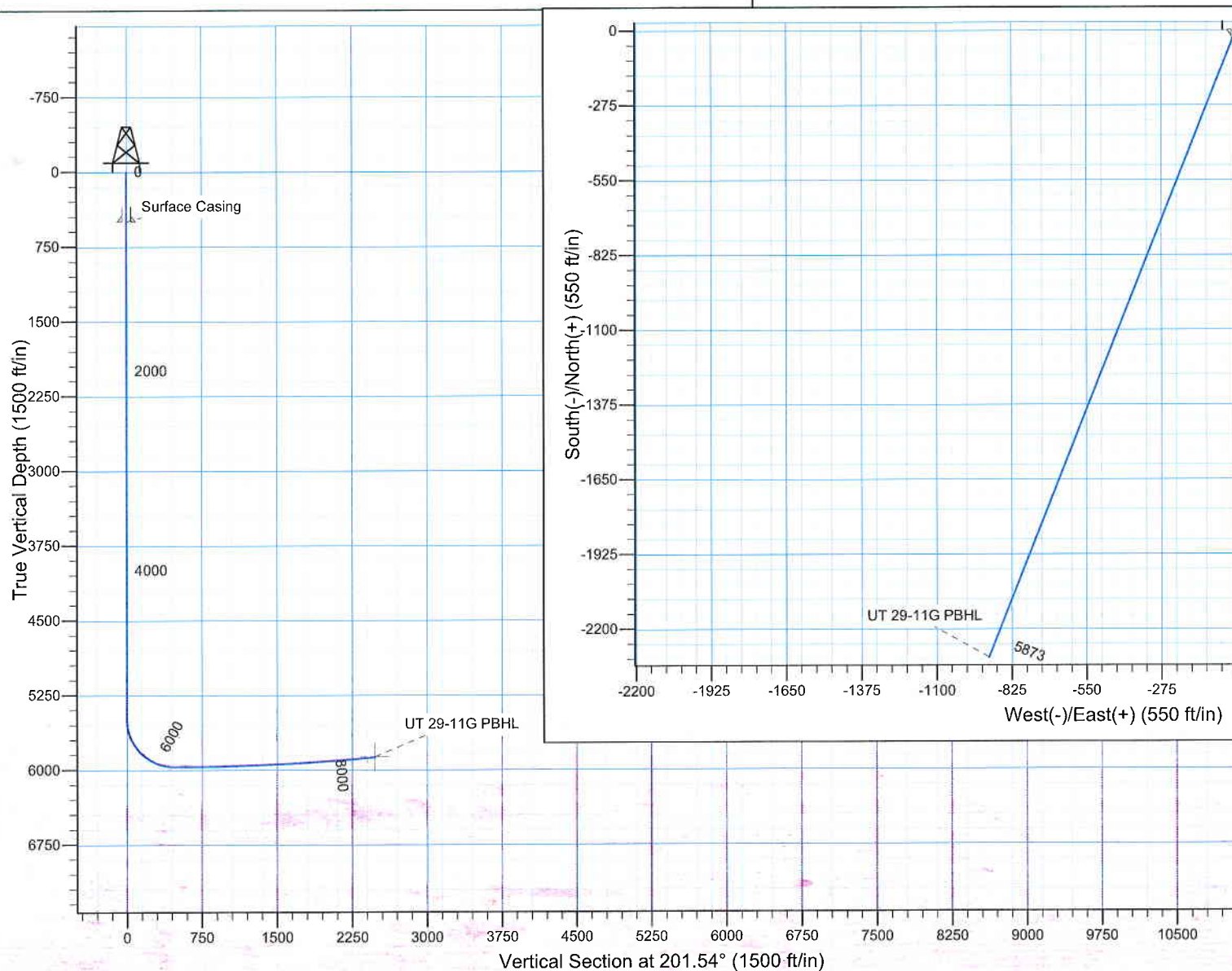
Petroglyph Operating Co. Inc.



WELL DETAILS: UTE Tribal 29-11G

GL 6503' @ 6503.00ft (Ground Level)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7177550.48	1991365.06	40° 1' 2.940 N	110° 14' 48.700 W



Plan: Plan 2 (UTE Tribal 29-11G/OH)

Created By: Julie Cruse Date: 2009-08-18

PROJECT DETAILS: Duchesne County, UT NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
System Datum: Mean Sea Level
Local North: True North



Scientific Drilling
Rocky Mountain Operations

Petroglyph Operating Co. Inc.

Duchesne County, UT NAD83

UTE Tribal

UTE Tribal 29-11G

OH

Plan: Plan 2

Standard Planning Report

18 August, 2009



Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi User Db
Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal
Well: UTE Tribal 29-11G
Wellbore: OH
Design: Plan 2

Local Co-ordinate Reference: Well UTE Tribal 29-11G
TVD Reference: GL 6503' @ 6503.00ft (Ground Level)
MD Reference: GL 6503' @ 6503.00ft (Ground Level)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	UTE Tribal		
Site Position:		Northing:	7,177,550.49 ft
From:	Lat/Long	Easting:	1,991,365.06 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 1' 2.940 N
		Longitude:	110° 14' 48.700 W
		Grid Convergence:	0.80 °

Well	UTE Tribal 29-11G, 2595' FSL 2623' FWL Sec 29 T5S R3W		
Well Position	+N/-S	0.00 ft	Northing: 7,177,550.48 ft
	+E/-W	0.00 ft	Easting: 1,991,365.06 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 1' 2.940 N
		Longitude:	110° 14' 48.700 W
		Ground Level:	6,503.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2009-08-03	11.61	65.79	52,435

Design	Plan 2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	201.54

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,490.00	0.00	0.00	5,490.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,239.27	90.00	201.54	5,967.00	-443.69	-175.13	12.01	12.01	0.00	201.54	
8,243.21	95.38	201.55	5,873.00	-2,304.88	-909.95	0.27	0.27	0.00	0.10	UT 29-11G PBHL



Scientific Drilling Planning Report

Database: EDM 2003.16 Multi User Db
Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal
Well: UTE Tribal 29-11G
Wellbore: OH
Design: Plan 2

Local Co-ordinate Reference: Well UTE Tribal 29-11G
TVD Reference: GL 6503' @ 6503.00ft (Ground Level)
MD Reference: GL 6503' @ 6503.00ft (Ground Level)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface Casing									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi User Db
Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal
Well: UTE Tribal 29-11G
Wellbore: OH
Design: Plan 2

Local Co-ordinate Reference: Well UTE Tribal 29-11G
TVD Reference: GL 6503' @ 6503.00ft (Ground Level)
MD Reference: GL 6503' @ 6503.00ft (Ground Level)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,490.00	0.00	0.00	5,490.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	1.20	201.54	5,500.00	-0.10	-0.04	0.10	12.01	12.01	0.00
5,600.00	13.21	201.54	5,599.03	-11.75	-4.64	12.63	12.01	12.01	0.00
5,700.00	25.22	201.54	5,693.28	-42.31	-16.70	45.48	12.01	12.01	0.00
5,800.00	37.24	201.54	5,778.63	-90.45	-35.70	97.24	12.01	12.01	0.00
5,900.00	49.25	201.54	5,851.35	-154.05	-60.81	165.62	12.01	12.01	0.00
6,000.00	61.26	201.54	5,908.24	-230.34	-90.92	247.64	12.01	12.01	0.00
6,100.00	73.27	201.54	5,946.81	-315.98	-124.72	339.70	12.01	12.01	0.00
6,200.00	85.28	201.54	5,965.38	-407.20	-160.73	437.77	12.01	12.01	0.00
6,239.27	90.00	201.54	5,967.00	-443.69	-175.13	477.00	12.01	12.01	0.00
6,300.00	90.16	201.54	5,966.91	-500.18	-197.43	537.73	0.27	0.27	0.00
6,400.00	90.43	201.54	5,966.39	-593.19	-234.14	637.73	0.27	0.27	0.00
6,500.00	90.70	201.54	5,965.41	-686.20	-270.86	737.72	0.27	0.27	0.00
6,600.00	90.97	201.54	5,963.95	-779.21	-307.57	837.71	0.27	0.27	0.00
6,700.00	91.24	201.54	5,962.03	-872.20	-344.28	937.69	0.27	0.27	0.00
6,800.00	91.51	201.54	5,959.64	-965.19	-380.99	1,037.67	0.27	0.27	0.00
6,900.00	91.77	201.54	5,956.77	-1,058.17	-417.70	1,137.62	0.27	0.27	0.00
7,000.00	92.04	201.54	5,953.45	-1,151.13	-454.40	1,237.57	0.27	0.27	0.00
7,100.00	92.31	201.54	5,949.65	-1,244.08	-491.09	1,337.50	0.27	0.27	0.00
7,200.00	92.58	201.54	5,945.38	-1,337.01	-527.78	1,437.41	0.27	0.27	0.00
7,300.00	92.85	201.54	5,940.65	-1,429.91	-564.46	1,537.29	0.27	0.27	0.00
7,400.00	93.12	201.55	5,935.45	-1,522.80	-601.13	1,637.16	0.27	0.27	0.00
7,500.00	93.38	201.55	5,929.78	-1,615.66	-637.80	1,737.00	0.27	0.27	0.00
7,600.00	93.65	201.55	5,923.64	-1,708.50	-674.45	1,836.81	0.27	0.27	0.00
7,700.00	93.92	201.55	5,917.04	-1,801.31	-711.10	1,936.59	0.27	0.27	0.00
7,800.00	94.19	201.55	5,909.97	-1,894.09	-747.73	2,036.34	0.27	0.27	0.00
7,900.00	94.46	201.55	5,902.43	-1,986.84	-784.36	2,136.06	0.27	0.27	0.00
8,000.00	94.73	201.55	5,894.42	-2,079.55	-820.97	2,235.73	0.27	0.27	0.00
8,100.00	94.99	201.55	5,885.95	-2,172.22	-857.56	2,335.37	0.27	0.27	0.00
8,200.00	95.26	201.55	5,877.01	-2,264.86	-894.14	2,434.97	0.27	0.27	0.00
8,243.21	95.38	201.55	5,873.00	-2,304.88	-909.95	2,478.00	0.27	0.27	0.00

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
UT 29-11G PBHL - plan hits target center - Point	0.00	0.00	5,873.00	-2,304.88	-909.95	7,175,233.09	1,990,487.49	40° 0' 40.160 N	110° 15' 0.396 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
500.00	500.00	Surface Casing	9.625	13.500



Scientific Drilling

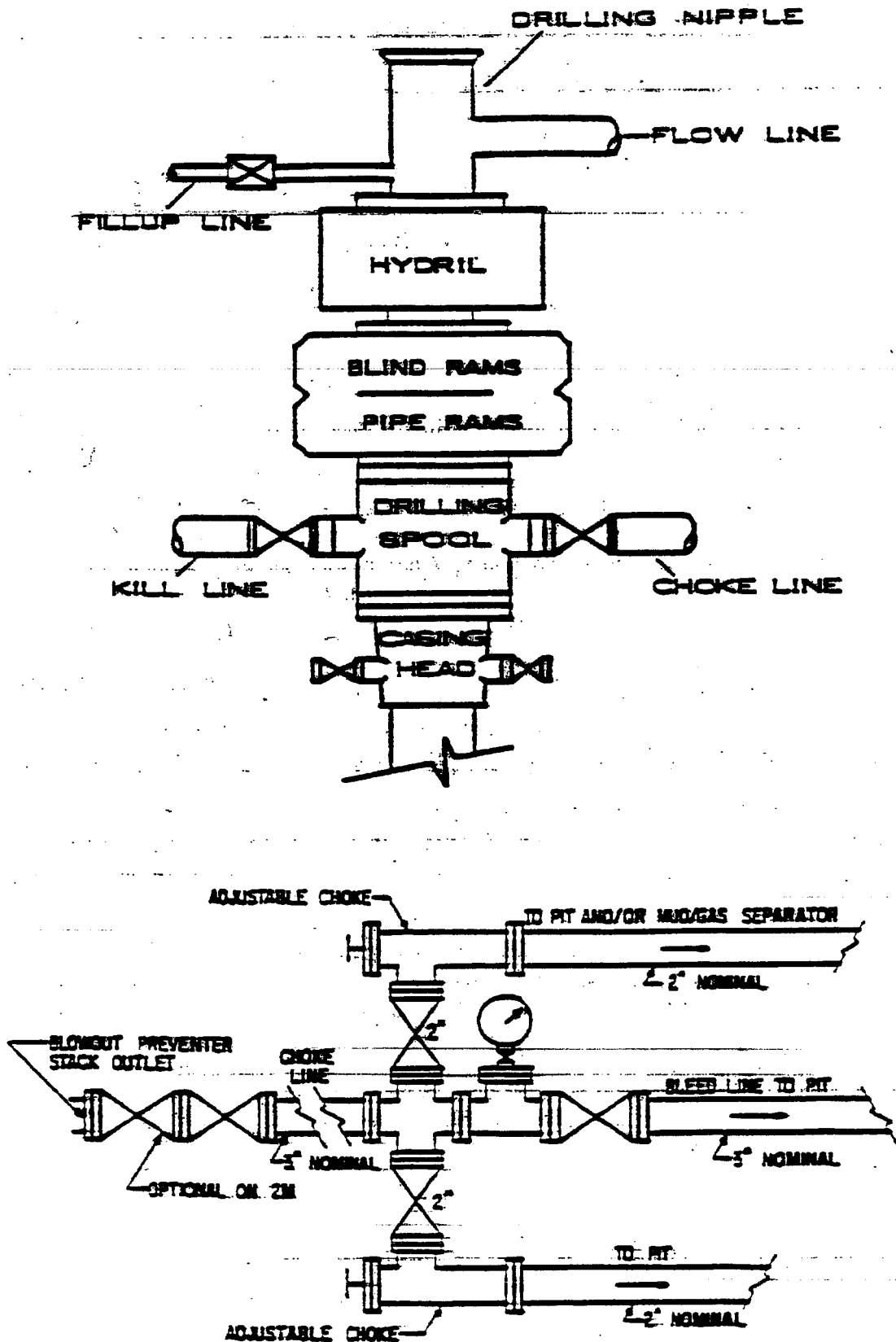
Planning Report

Database: EDM 2003.16 Multi User Db
Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal
Well: UTE Tribal 29-11G
Wellbore: OH
Design: Plan 2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well UTE Tribal 29-11G
GL 6503' @ 6503.00ft (Ground Level)
GL 6503' @ 6503.00ft (Ground Level)
True
Minimum Curvature

SCHEMATIC DIAGRAM OF 2000 PSI BOP STACK



**CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Petroglyph Operating Co. Inc.
Well Name & Number: Ute Tribal #29-11G
Lease Number: BIA 14-20-H62-3518
Location: 2595' FSL & 2623' FWL, NE/SW,
Sec. 29, T5S, R3W, U.S.B.&M.,
Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice well - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 15.27 miles southwest of Bridgeland, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 35 feet in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed

during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

- A. Abandoned wells - 9*
- B. Temporarily abandoned wells - 1*
- C. Producing wells - 35*
- D. Shut in wells - 2*

(*See attached TOPO map "C" for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

- 1. Tank batteries - None
- 2. Production facilities - To be submitted later
- 3. Oil gathering lines - None
- 4. Gas gathering lines - None
- 5. Injection lines - None
- 6. Disposal lines - None
- 7. Surface pits - None

B. **OFF WELL PAD**

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.
- 3. A 4 1/2" OD steel above ground production pipeline will be laid approximately 991' from proposed location to the Ute Tribal #29-06 in the SE/NW of Section 29, T5S, R3W, where it will tie into Petroglyph Operating Co. Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map "D" showing pipeline route.
- 4. Proposed pipeline will be a 4 1/2 " OD steel, welded line laid on the surface.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the

largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the North side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee.

All facilities required will be painted within 6 months of installation.

Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Tan.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE ¼, Sec. 1, T4S, R5W, Duchesne, Utah (State Water Right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

____ To protect the environment:

If the reserve pit is lined, the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

____ To protect the environment (without chemical analysis), reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

____ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

7. ANCILLARY FACILITIES

- No airstrips or camps are planned for this well.

9. WELLSITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills and cross Sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the South side of the location. The flare pit will be located downwind of the prevailing wind direction on the Southwest side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the West end of the location.

Access to the well pad will be from the East.

X A Diversion ditch shall be constructed on the South side of the location below) the cut slope, draining to the East.

X Corners #2, #6, & #8 will be rounded off to minimize excavation.

10. FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock,

and, upon completion of construction, the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to crossing any fence located on Tribal land, or any fence between Tribal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

11. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.

The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA ADMINISTERED LANDS:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring re-vegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

12. **SURFACE OWNERSHIP**

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

13. **OTHER INFORMATION**

A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used.
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian

Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

14. Additional Surface Stipulations

None

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Telephone: (435)789-4120
Fax: (435)789-1420

OPERATIONS

Jason Bywater
P.O. Box 607
Roosevelt, UT 84066
(435)722-2531
(435)722-9145

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

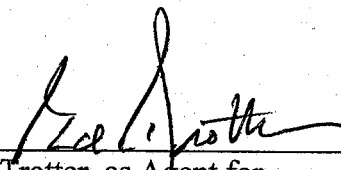
The BIA office shall be notified upon site completion prior to moving on the drilling rig.

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 29-11G Well, located in the NE/SW of Section 29, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3518;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #BO 4556.

9-9-2009
Date


Ed Trotter, as Agent for
Petroglyph Operating Co., Inc.

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-11G
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 29, T5S, R3W, U.S.B.&M.



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

02 09 09
MONTH DAY YEAR

PHOTO

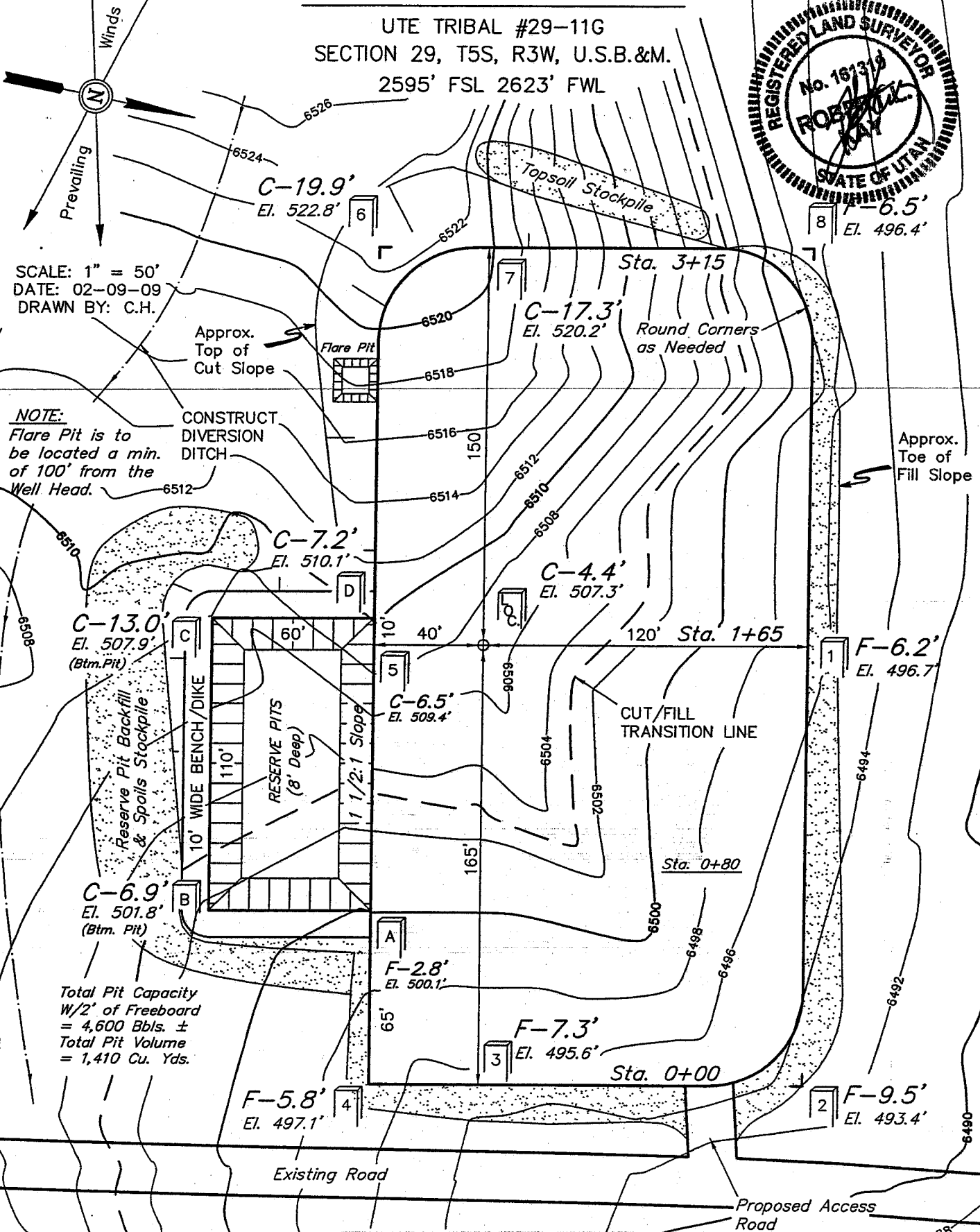
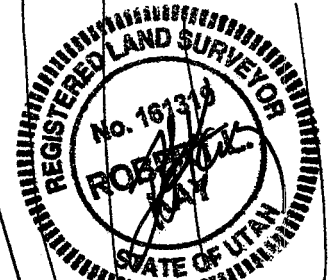
TAKEN BY: B.B. | DRAWN BY: J.H. | REVISED: 00-00-00

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #29-11G
SECTION 29, T5S, R3W, U.S.B.&M.
2595' FSL 2623' FWL

FIGURE #1



Elev. Ungraded Ground at Location Stake = 6507.3'
Elev. Graded Ground at Location Stake = 6502.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

PETROGLYPH OPERATING CO., INC.

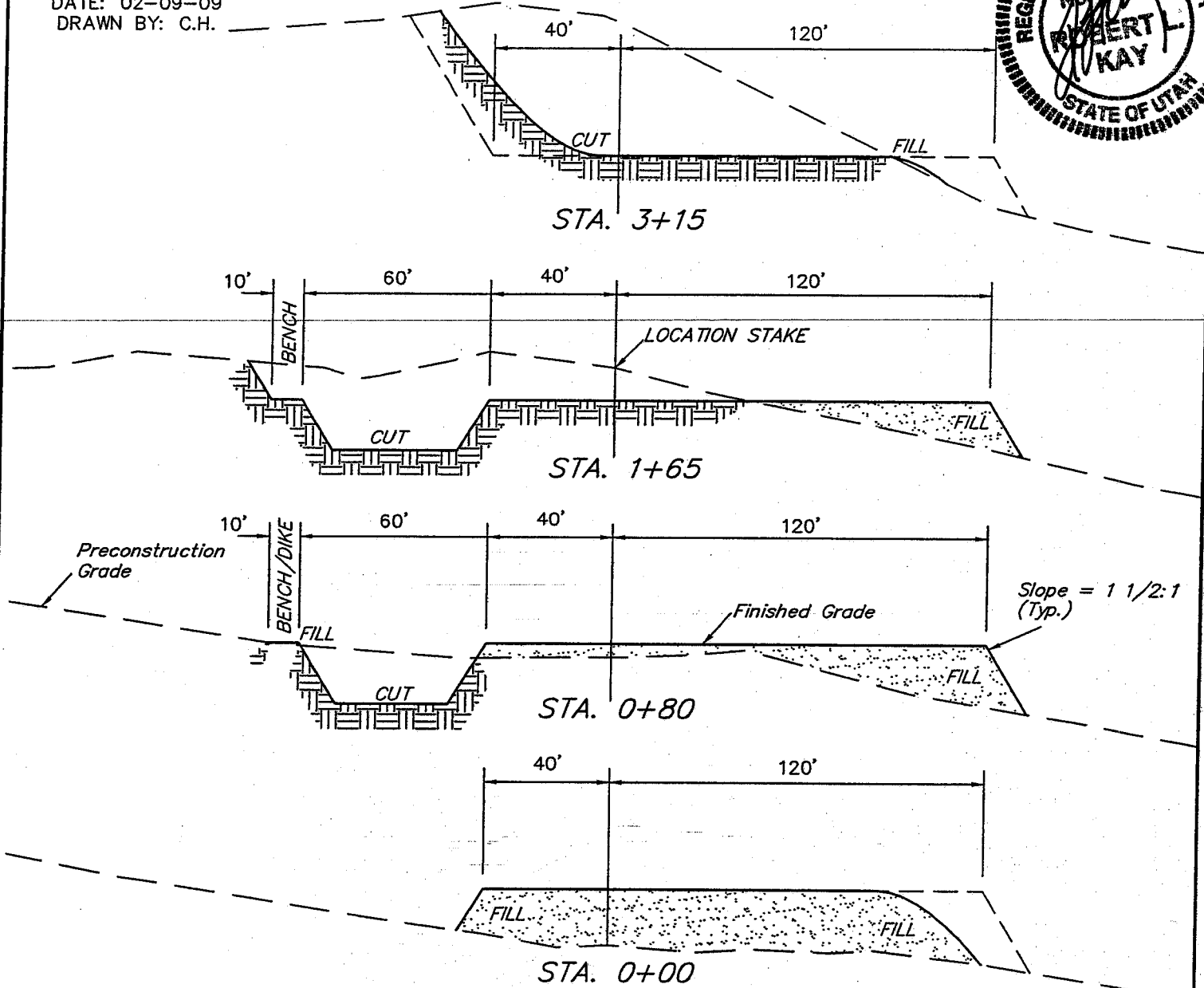
FIGURE #2

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #29-11G
SECTION 29, T5S, R3W, U.S.B.&M.
2595' FSL 2623' FWL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 02-09-09
DRAWN BY: C.H.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.049 ACRES

TOTAL = ± 3.049 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 2,800 Cu. Yds.
Remaining Location = 7,660 Cu. Yds.
TOTAL CUT = 10,460 CU.YDS.
FILL = 6,950 CU.YDS.

EXCESS MATERIAL = 3,510 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 3,510 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

PETROGLYPH OPERATING CO., INC.

TYPICAL RIG LAYOUT FOR

UTE TRIBAL #29-11G
SECTION 29, T5S, R3W, U.S.B.&M.
2595' FSL 2623' FWL

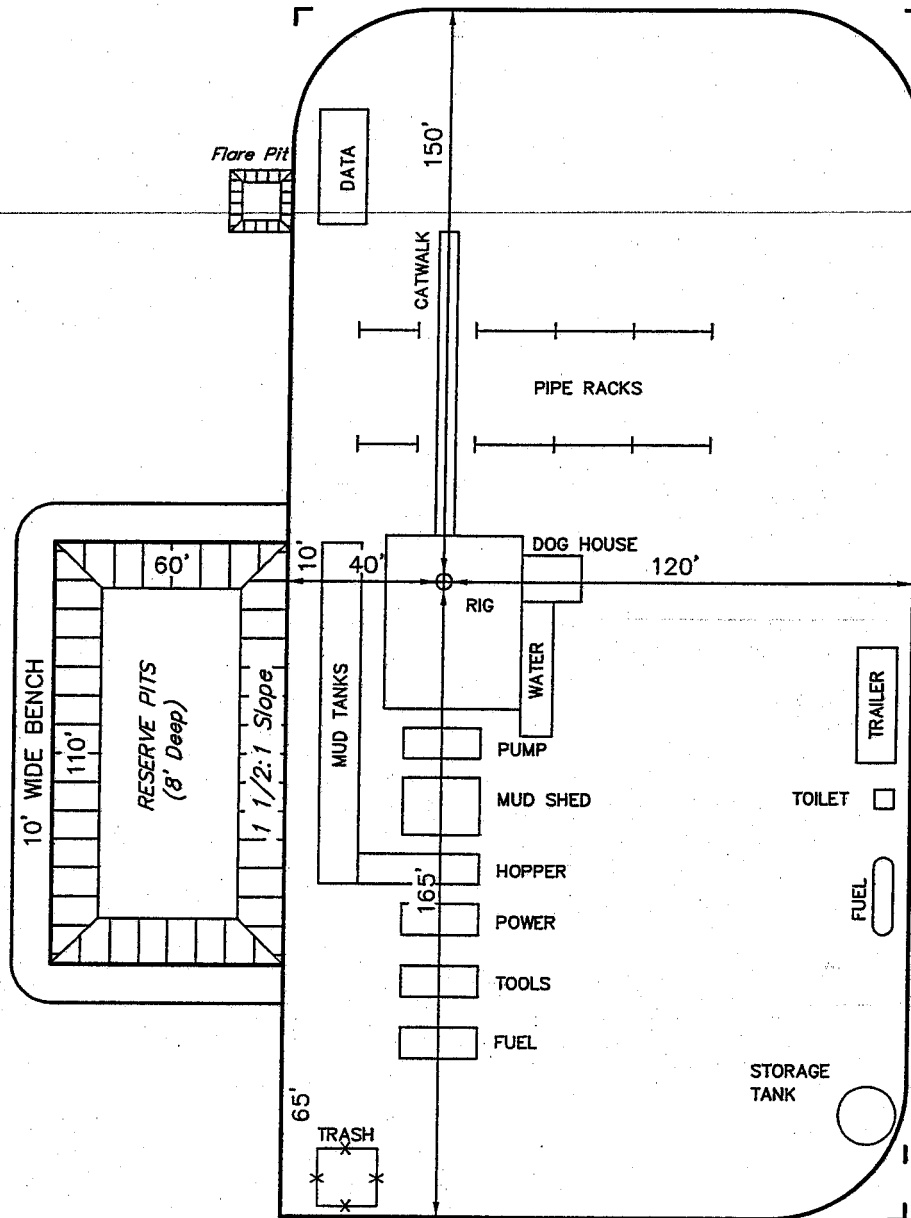
FIGURE #3



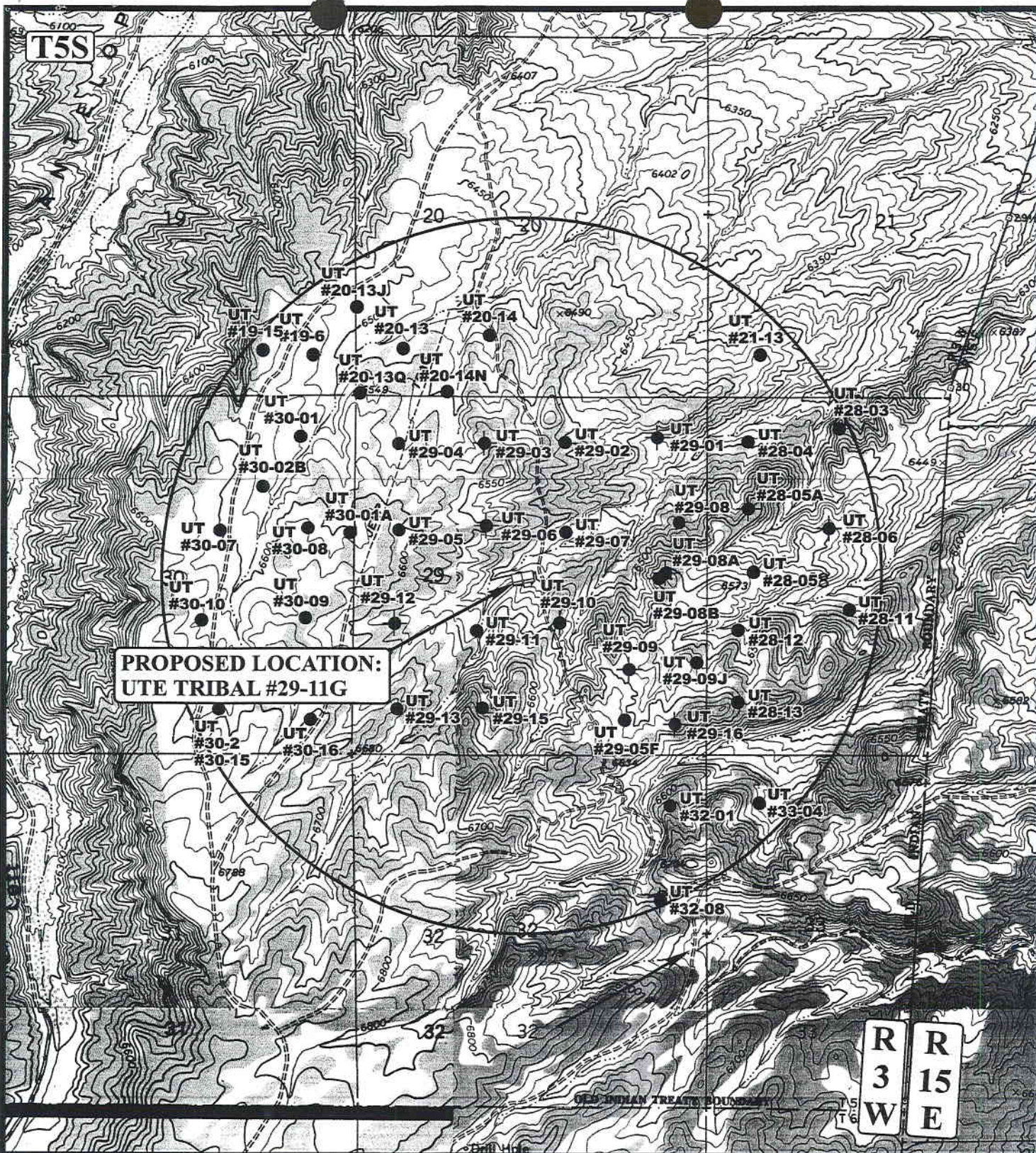
SCALE: 1" = 50'
DATE: 02-09-09
DRAWN BY: C.H.



NOTE:
Flare Pit is to
be located a min.
of 100' from the
Well Head.







PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-11G
SECTION 29, T5S, R3W, U.S.B.&M.
2595' FSL 2623' FWL

**TOPOGRAPHIC
MAP**

02 09 09
 MONTH DAY YEAR

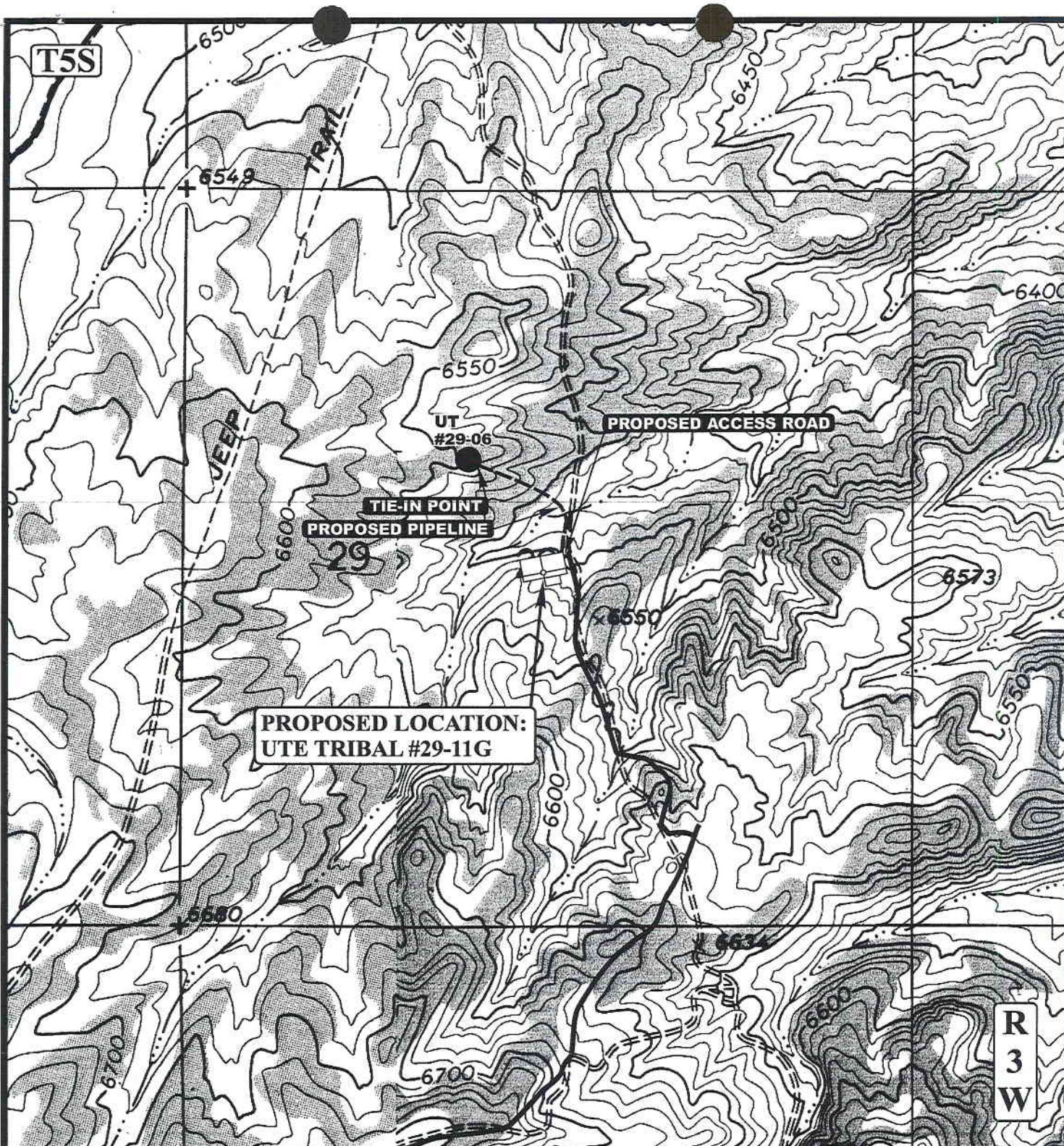
SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 00-00-00

C
TOPO

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



APPROXIMATE TOTAL PIPELINE DISTANCE = 991' +/-

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-11G
SECTION 29, T5S, R3W, U.S.B.&M.
2595' FSL 2623' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

02 09 09
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.H. REV: 07-14-09 Z.L.

D
TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/26/2009

API NO. ASSIGNED: 43-013-34292

WELL NAME: UTE TRIBAL 29-11G

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435-722-2531

CONTACT: ED TROTTER

PROPOSED LOCATION:

NESW 29 050S 030W

SURFACE: 2595 FSL 2623 FWL

BOTTOM: 2595 FSL 2623 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01743 LONGITUDE: -110.24617

UTM SURF EASTINGS: 564333 NORTHINGS: 4429754

FIELD NAME: ANTELOPE CREEK (60)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3518

PROPOSED FORMATION: CSLPK

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. BO 4556)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-10152)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: _____

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception

___ Drilling Unit

Board Cause No: _____

Eff Date: _____

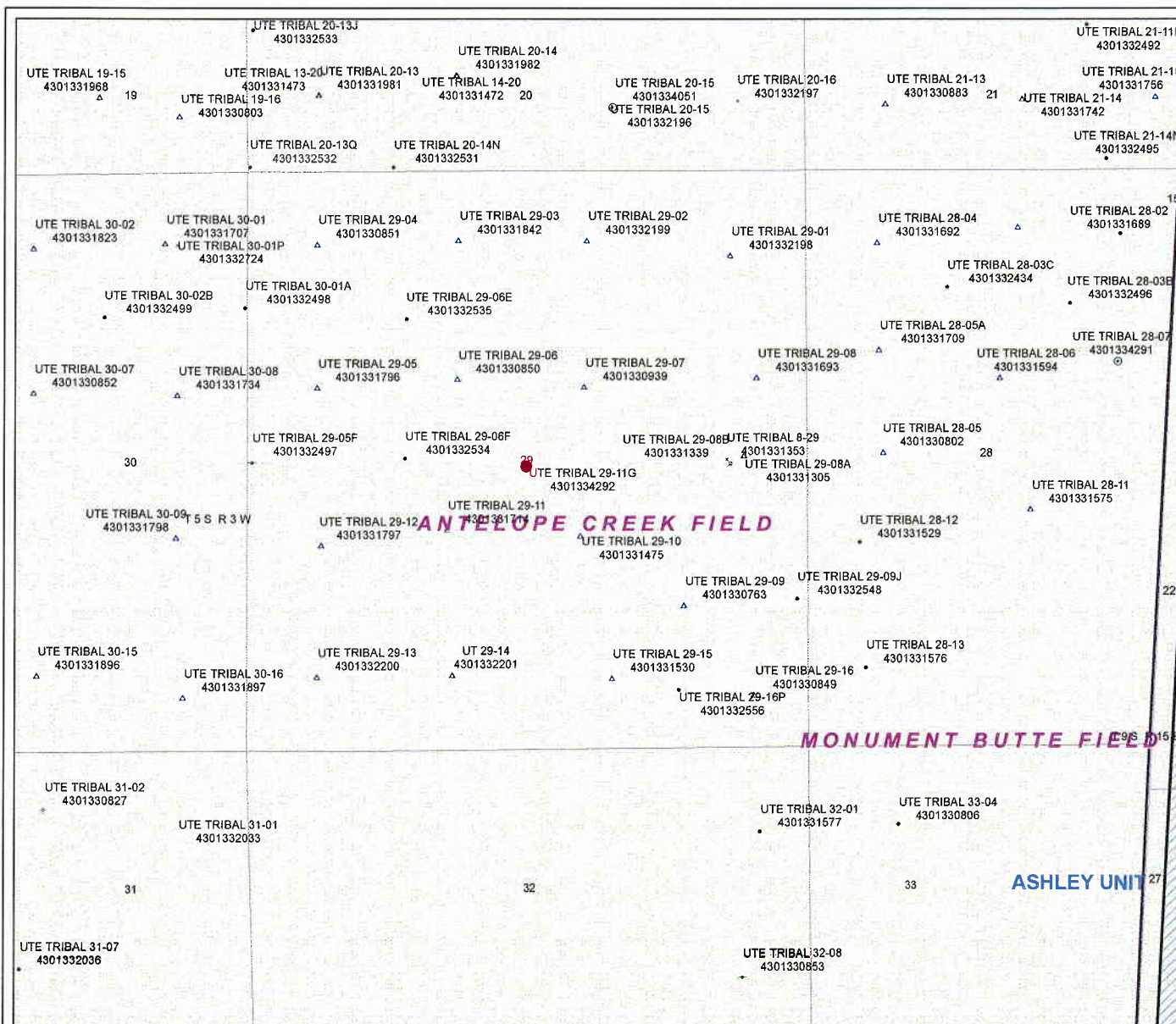
Siting: _____

___ R649-3-11. Directional Drill

COMMENTS: _____

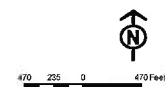
STIPULATIONS: _____

1- Federal Approval
2- Spacing Chp



API Number: 4301334292
 Well Name: UTE TRIBAL 29-11G
 Township 05.0 S Range 03.0 W Section 29
 Meridian: UBM
 Operator: PETROGLYPH OPERATING CO
 Map Prepared:
 Map Produced by Diana Mason

- △ GAS INJECTION
 - GAS STORAGE
 - △ LOCATION ABANDONED
 - ⊙ NEW LOCATION
 - ⊖ PLUGGED & ABANDONED
 - ⊕ PRODUCING GAS
 - PRODUCING OIL
 - ⊖ SHUT-IN GAS
 - ⊕ SHUT-IN OIL
 - ⊖ TEMP. ABANDONED
 - TEST WELL
 - △ WATER INJECTION
 - WATER SUPPLY
 - ⊖ WATER DISPOSAL
- Units
 Spacing Index
 ACTIVE FIELD
 COMBINED FIELD



1:11,424

State of Utah
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

October 29, 2009

Re: Application for Exception Well Location
Proposed

Ute Tribal 05-06 in Lot 11, Sec. 5
Ute Tribal 28-07 in Lot 2, Sec. 28
Ute Tribal 29-11G in NESW, Sec. 29
All in T5S, R3W, U.S.B.&M.
Duchesne County, Utah

Due to topography, Petroglyph Operating Company Inc. (Petroglyph) respectfully requests administrative approval per R-649-3-3 to drill the following wells:

Ute Tribal 05-06, a 6317' Green River test at a location 2261' FNL & 2050' FWL, Lot 11, Sec. 5, T5S, R3W, U.S.B.&M., Duchesne County, Utah

Ute Tribal 28-07, a 6196' Green River test at a location 1754' FNL & 576' FEL, Lot 2, Sec. 28, T5S, R3W, U.S.B.&M., Duchesne County, Utah.


Ute Tribal 29-11G, a 5967' Green River test at a location 2595' FSL & 2623' FWL, NE/SW, Sec. 29, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

Petroglyph Operating Company Inc. holds 100% of the operating rights within a 460' radius of the requested well site.

Petroglyph respectfully requests the Division of Oil, Gas and Mining Administratively grant the applications for the exceptional well locations at its earliest opportunity so that drilling operations can resume.

Please direct further correspondence and approval to myself at P.O. Box 1910, Vernal, Utah 84078, or phone me at 435-789-4120

Sincerely,



Ed Trotter, Agent
Petroglyph Operating Company Inc.

Ed Trotter



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 2, 2009

Petroglyph Operating Co., Inc.
P O Box 607
Roosevelt, UT 84066

Re: Ute Tribal 29-11G Well, 2595' FSL, 2623' FWL, NE SW, Sec. 29, T. 5 South, R. 3 West,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34292.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office



Operator: Petroglyph Operating Co., Inc.

Well Name & Number Ute Tribal 29-11G

API Number: 43-013-34292

Lease: 14-20-H62-3518

Location: NE SW **Sec.** 29 **T.** 5 South **R.** 3 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
PETROGLYPH OPERATING CO., INC.

3a. Address **P.O. BOX 607,
ROOSEVELT, UT 84066**

3b. Phone No. (Include area code)
(435)722-2531

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **2595' FSL, 2623' FWL** **NE/SW**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*
15.27 MILES SOUTHWEST OF BRIDGELAND, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft. **2595'**
(Also to nearest drig. Unit line, if any)

16. No. of Acres in lease
640.0

17. Spacing Unit dedicated to this well

18. Distance from proposed location*
to nearest well, drilling, completed, **See Topo**
applied for, on this lease, ft. **Man "C"**

19. Proposed Depth
5967'

20. BLM/BIA Bond No. on file
BO 4556

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6502.9 FEET GRADED GROUND

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Name (Printed/Typed)
Ed Trotter

RECEIVED
FEB 11 2010

Date
September 9, 2009

Title
Agent

Approved by (Signature)

Name (Printed/Typed)

Title
**ACTING Assistant Field Manager
Lands & Mineral Resources**

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of Approval, if any, are attached.

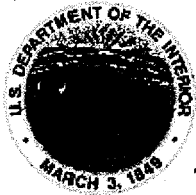
CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Continued on page 2)

NOTICE OF APPROVAL

NOS 4-15-09
AFMSS# 09550105A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Petroglyph Operating Co., Inc.
Well No: Ute Tribal 29-11G
API No: 43-013-34292

Location: NESW, Sec. 29, T5S, R3W
Lease No: 14-20-H62-3518
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- A 30 foot corridor access road right-of-way shall be approved.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Additional Conditions of Approval

- Paint all facilities and equipment desert tan.
- Round corners per tech approval.
- Construct diversion ditch.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.
- Operator must notify BLM Vernal office of any active Gilsonite operation within 2 miles of the location 48 hours prior to any blasting on this well location

Variances Granted

Air Drilling

- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore and not in a straight line.
- Automatic igniter. Variance granted for igniter.
- A requirement of a water mister when air drilling only.
- The BOP stack must be 2000 psi or higher rated to meet maximum potential surface pressure.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's/ Air rig
Submitted By Jason Bywater Phone Number 435-722-5310
Well Name/Number Ute Tribal 29-11G
Qtr/Qtr NE/SW Section 29 Township 5S Range 3W
Lease Serial Number 14-20-H62-3518
API Number 43-013-34292

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 03/04/2010 10:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

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APR 21 2010

DIV OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 6

ENTITY ACTION FORM

Operator: Petroglyph Operating Company Operator Account Number: N 3800
Address: P.O. Box 607
city Roosevelt
state UT zip 84066 Phone Number: (435) 722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334292	Ute Tribal 29-11G		NESW	29	T5S	R3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	12139	12139	3/4/2010		4/28/10		
Comments: <u>CSLPK = GRRU</u>							

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Glenda Davis

Name (Please Print)

Signature

Office Manager

Title

4/27/2010

Date

(5/2000)

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APR 27 2010

DIV. OF OIL, GAS & MINING

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-3518

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
UTE INDIAN TRIBE

7. UNIT or CA AGREEMENT NAME:
UTE TRIBAL 14-20-H62-4650

8. WELL NAME and NUMBER:
UTE TRIBAL 29-11G

9. API NUMBER:
4301334292

10. FIELD AND POOL, OR WILDCAT:
ANTELOPE CREEK

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
PETROGLYPH OPERATING COMPANY

3. ADDRESS OF OPERATOR:
PO BOX 607 CITY **ROOSEVELT** STATE **UT** ZIP **84066**

PHONE NUMBER:
(435) 722-2531

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **2595' FSL, 2623' FWL**

COUNTY: **DUCHESNE**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESW 29 T5S R3W**

STATE:
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The first date of production for this well was on 5/16/2010

NAME (PLEASE PRINT) Glenda Davis TITLE Office Manager
SIGNATURE *Glenda Davis* DATE 5/17/2010

(This space for State use only)

RECEIVED
MAY 18 2010

Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500
BOISE, ID 83706
(208) 685-7600

Drilling Chronological **Regulatory**

Well Name:UTE TRIBAL 29-11G					
Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	15.27 miles SW of Bridgeland, UT	District:	UTAH
Project AFE:	42602	AFEs Associated:	/ / /		

Daily Summary

Activity Date :	4/23/2010	Days From Spud :	49	Current Depth :	513 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	12:00	01	Mobile Aztec 184 rig from 30-12 loc to 29-11G. RU.	0	0	NIH
18:00	3:50	14	NU BOP.	0	0	NIH
21:30	3:00	15	Test BOP, upper kelly, safety valve, pipe rams & inside valve, pipe rams & outside valve, blind ram, kill line, choke line and manifold. Blind ram, kill line, choke line & outside manifold valves all at 250 PSI low.	0	0	NIH
0:30	0:50	01	Install wear bushing.	0	0	NIH
1:00	5:00	25	PU directional tools, DC, & HWDP. Tag cmt @ 425'.	513	513	1
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
513	7:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	8.00	0.00	0.00	0.00	500	600	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	Remarks										
0		0.0	8.3	0	After drlg out cmt, wait 1 hr, than start mixing DAP @ 10 sks/hr. CATPOLY - add 2 cans per tour until returns going to reserve. POLYPLUS - add 1 vis cup down DP as needed on connections.										

Daily Summary

Activity Date :	4/24/2010	Days From Spud :	50	Current Depth :	2570 Ft	24 Hr. Footage Made :	2057 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	3:00	02	Drig cmt/float/shoe. Test csg after tagging cmt. Drl 1/2 of shoe track. Test both @ 1500 psi for 15 min.	513	519	1
9:00	7:50	02	Drl ahead F/519' to 1211'. Brake saver sub. Install corrosion ring. ROT 60. #1 stks 85. #2 stks 100. WOB 14K. 1300 PSI	519	1211	1
16:30	0:50	07	Service rig. Brake inspection.	1211	1211	NIH
17:00	12:50	02	Drl ahead F/1211' to 2570'. ROT 60. #1 stks 85. #2 stks 100. WOB 14K. 1380 PSI	1211	2570	1
5:30	0:50	07	Service rig. Brake inspection.	2570	2570	NIH
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
520	11:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	8.00	0.00	0.00	0.00	500	400	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	8.3	0	After cmt, add DAP - 10 sks/hr. CATPOLY - add 2 cans per tour to returns to reserve pit. POLYPLUS - add 1 vis cup dwn DP on connections as needed.											

Well Name: UTE TRIBAL 29-11G																
Field Name:		ANTELOPE CREEK			S/T/R:		29/5S/3W			County, State:		DUCHESNE, UT				
Operator:		PETROGLYPH			Location Desc:			15.27 miles SW of Bridgeland, UT			District:		UTAH			
Daily Summary																
Activity Date :		4/25/2010		Days From Spud :		51		Current Depth :		4095 Ft		24 Hr. Footage Made :		1525 Ft		
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184						
Formation :		A8 - Mahogany Shale						Weather:								
Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	10.00	02	Drl head F/2570' to 3291'. ROT 65. WOB 14. #1 90 stks. #2 100 stks. 1500 PSI										2570	3291	1	
16:00	0.50	07	Service rig. Brake inspection.										3291	3291	NIH	
16:30	12.50	02	Drl ahead F/3291' to 4082'. ROT 65. WOB 16K. #1 90 stks. #2 100 stks. 1700 PSI										3291	4082	1	
5:00	0.50	07	Service rig. Brake inspection.										4082	4082	NIH	
5:30	0.50	02	Drl ahead F/4082' to 4095'. ROT 65. WOB 16K. #1 90 stks. #2 100 stks. 1700 PSI										4082	4095	1	
Total:		24.00														
Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2870	10:30	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	7.50	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	Remarks											
0		0.0	8.4	0	DAP - 5 sks per tour. CATPOLY - add 2 cans per tour; going into returns in reserve. POLYPLUS - add 1 vis cup dwn DP as needed on connections.											

Daily Summary															
Activity Date :		4/26/2010		Days From Spud :		52		Current Depth :		5250 Ft		24 Hr. Footage Made :		1155 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		GRRV - Green River						Weather:							
Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	10.00	02	Drl ahead F/4095' to 4716'. WOB 14. #1 stks 90. #2 stks 100. ROT 40. 1718 PSI.										4095	4716	1
16:00	0.50	05	Circ for rig service.										4716	4716	1
16:30	1.50	07	Service rig. Brake inspection. Re-install retainer pins & missing cotter pins.										4716	4716	NIH
18:00	11.00	02	Drl ahead F/4716' to 5216'. WOB 14. #1 stks 90. #2 stks 100. ROT 40. 1718 PSI.										4716	5216	1
5:00	0.50	07	Rig service. Grease unit.										5216	5216	NIH
5:30	0.50	02	Drl ahead F/5216' to 5250'. WOB 14. #1 stks 90. #2 stks 100. ROT 40. 1718 PSI.										5216	5250	1
Total:		24.00													
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
4340	9:45	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	Remarks										
0		0.0	8.4	0	DAP - add 5 sks per tour. CATPOLY - add 1 can per tour into returns going into reserve. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole. HI VIS SWEEP - add 12-15 sks gel to 40-60 bbls in pill tank. Add 3 sks SAWDUST. Just before pumping, add 1/2 can POLYPLUS.										

Well Name: UTE TRIBAL 29-11G															
Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT										
Operator:	PETROGLYPH	Location Desc:	5.27 miles SW of Bridgeland, UT	District:	UTAH										
Daily Summary															
Activity Date :	4/27/2010	Days From Spud :	53	Current Depth :	5548 Ft	24 Hr. Footage Made :	298 Ft								
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184										
Formation :	DCBM - Douglas Creek			Weather:											
Operations															
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run						
	0.00						5465	5465	2						
6:00	3.00	02	Drl ahead F/5250' to 5465'. ROT 45. #1 stks 80. #2 stks 100. 2091 PSI. WOB 15K				5250	5465	1						
9:00	2.00	41	Pmp sweeps & circ to clean hole for trip out @ KOP to PU mud mtr & gamma tools.				5465	5465	1						
11:00	6.00	23	Set back kelly. POOH. Stand back DP & spiral weight pipe.				5465	5465	1						
17:00	1.50	08	Adjust brakes on drawworks.				5465	5465	1						
18:30	0.50	07	Rig service, light plant, drawworks mtr, pumps & rotary table.				5465	5465	NIH						
19:00	4.00	06	TIH & MU bit, mud mtr, directional tools & 4-1/2 spiral WT pipe.				5465	5465	2						
23:00	0.50	28	Brake circ. Test MM & directional tools.				5465	5465	2						
23:30	4.00	06	TIH w/4-1/2 DP. Brake circ every 2000'.				5465	5465	2						
3:30	0.50	28	Brake last stand of DP. Wash to btm.				5465	5465	2						
4:00	2.00	02	Drl/sliding ahead F/5465' to 5548'. ROT 30. #1 stks 50. #2 stks 98. WOB 20. 2095 PSI.				5465	5548	2						
Total:	24.00														
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5465	10:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	8.4	0	DAP - add 5 sks per tour to maintain. CATPOLY - add 1 can per tour. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole. HI VIS SWEEP - add 12-15 sks gel to 40-60 bbls in pill tank. Add 3 sks SAWDUST. Just before pumping, add 1/2 can POLYPLUS. WEIGHT PILL - add 1-1/2 pallets GYPSUM/Premium 97.											

Well Name: UTE TRIBAL 29-11G															
Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT										
Operator:	PETROGLYPH	Location Desc:	15.27 miles SW of Bridgeland, UT	District:	UTAH										
Daily Summary															
Activity Date :	4/28/2010	Days From Spud :	54	Current Depth :	5805 Ft	24 Hr. Footage Made :	257 Ft								
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184										
Formation :	DCBM - Douglas Creek			Weather:											
Operations															
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run						
6:00	2.00	02	Drl/sliding ahead F/5548' to 5580'				5548	5580	2						
8:00	1.50	08	Repair rig. Change out 4" union on vibrating hose. (Dwn time)				5580	5580	NIH						
9:30	2.00	02	Drl/sliding ahead F/5580' to 5643'				5580	5643	2						
11:30	6.50	05	Pmp sweeps. Circ hole clean for trip out to change out bit. (Not getting good build rates.)				5643	5643	2						
18:00	2.50	09	Slip & cut 140' of drl line.				5643	5643	NIH						
20:30	3.00	28	MU new insert bit, directional tools & 4-1/2 spiral WT pipe.				5643	5643	3						
23:30	0.50	25	PU kelly brake. Circ.				5643	5643	3						
0:00	1.00	06	Set back kelly. Finish TIH.				5643	5643	3						
1:00	0.50	05	Kelly up. Brake circ. Wash last 2 jts to btm.				5643	5643	3						
1:30	4.50	02	Drl/slide ahead F/5643' to 5805' (100% sliding to get build angle built.)				5643	5805	3						
Total:	24.00														
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5638	13:30	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	200	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	8.4	0	As soon as drlg resumes, add DAP @ 5 sks/hr. CATPOLY - add 1 can per tour. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole.											

Well Name: UTE TRIBAL 29-11G															
Field Name:		ANTELOPE CREEK		S/T/R:		29/5S/3W		County, State:		DUCHESNE, UT					
Operator:		PETROGLYPH		Location Desc:		15.27 miles SW of Bridgeland, UT				District:		UTAH			
Daily Summary															
Activity Date :		4/29/2010		Days From Spud :		55		Current Depth :		6050 Ft		24 Hr. Footage Made :		245 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.				Rig Name:		AZTEC 184							
Formation :		BSCARB - Basal Carbonate Limestone				Weather:									
Operations															
Start	Hrs	Code	Remarks									Start Depth	End Depth	Run	
6:00	2.50	02	Sliding ahead F/5805' to 5891'									5805	5891	3	
8:30	1.00	07	Service rig. Lube unit, check fluids, brake inspection, check pins & brake pads.									5891	5891	NIH	
9:30	1.00	02	Sliding ahead F/5891' to 5923'									5891	5923	3	
10:30	1.00	05	Pmp sweep. Circ hole clean. Pump pill for TOOH.									5923	5923	3	
11:30	4.00	23	POOH. Check bit, restack DP. Move HWDP up the drillstring.									5923	5923	3	
15:30	0.50	06	JHA on tripping in the hole.									5923	5923	3	
16:00	3.00	06	TIH. Brake circ.									5923	5923	3	
19:00	1.50	02	Sliding ahead F/5923' to 5955'									5923	5955	3	
20:30	1.00	08	Re-set & replace bolt on Washington head, fix gasket; leaking bad (Dwn time).									5955	5955	NIH	
21:30	2.00	02	Sliding ahead F/5955' to 6050'									5955	6050	3	
23:30	1.00	05	Circ. Mix pmp pill for TOH.									6050	6050	3	
0:30	3.50	06	TOOH. Re-adjust mtr to max bend of 3.0 (not holding angle).									6050	6050	NIH	
4:00	1.50	28	Adjust mtr from 2.6 to 3.0									6050	6050	NIH	
5:30	0.50	06	TIH w/MM tools & 4-1/2 spiral DP.									6050	6050	3	
Total:		24.00													
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5887	9:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.6%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	400	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	Remarks										
0		0.0	8.4	0	DAP - add @ 24 sks per tour (6 sks per 3 hr/ 2 sks per min @ 3 min per sks). CATPOLY - add 1 can per tour (add to returns going to reserve pit). POLYPLUS - add dwn DP every 3rd connection or as needed.										

Well Name: UTE TRIBAL 29-11G

Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	5.27 miles SW of Bridgeland, UT	District:	UTAH

Daily Summary

Activity Date :	4/30/2010	Days From Spud :	56	Current Depth :	6208 Ft	24 Hr. Footage Made :	158 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :	F3			Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	3.00	06	TIH w/3.0 bend mud mtr.	6050	6050	3
9:00	1.50	21	Work tight hole @ 5980'. Break dwn last stand of DP & wash to btm.	6050	6050	3
10:30	0.50	03	Reaming F/5980' to 6050'.	6050	6050	3
11:00	6.50	02	Sliding ahead F/6050' to 6208'	6050	6208	3
17:30	0.50	02	Verify/choose TD depth.	6208	6208	3
18:00	2.00	05	Pmp sweeps. Circ hole clean.	6208	6208	3
20:00	0.50	06	Set back kelly. PU 10 stand short trip.	6208	6208	3
20:30	3.00	05	Circ. Run sweeps to clean hole. Wait on LD crew.	6208	6208	3
23:30	1.00	58	RU LD truck. Safety mtg with all crews.	6208	6208	NIH
0:30	5.50	36	TOOH. LD 4-1/2 DP, HWDP & directional tools	6208	6208	3
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6050	8:30	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	600	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	8.4	0	DAP - add @ 36 sks per tour (3 sks per hr for 12 hr shift). CATPOLY - do not add anymore until further notice. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole.											

Daily Summary

Activity Date :	5/1/2010	Days From Spud :	57	Current Depth :	6208 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :	F3			Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	1.50	25	LD mud mtr. Brake bit.	6208	6208	3
7:30	1.00	01	RD trough for running logs.	6208	6208	3
8:30	4.00	11	Run Wireline triple combo logs. Logs went to 5720'.	6208	6208	3
12:30	2.50	01	RD loggers. RU csg crew. (Tried to pull wear bushing).	6208	6208	NIH
15:00	8.00	12	Run 7" 26# L-80 LTC csg & tag btm. Pull up 1' to circ hole clean.	6208	6208	3
23:00	1.00	05	Circ hole while rigging up cementers.	6208	6208	3
0:00	4.00	12	Stab cmt head. Press test to 5000 PSI. Cmt 7" csg w/10 bbl fresh wtr flush, 30 bbls of mud flush 111(density 8.4, lead 135 bbls 11#, 230 sks Halliburton light standard.) (Density 11, yield 3.29, gal/sk 20.28 H2O, Tail 110 bbls 13.5#, 430 sks. Expand cmt system. Density 13.5, yield 1.44 gal/sk 6.86, 2% KCL displacement 237 bbl. Density 8.43. Full rtns. Bump plug 500 PSI over circ press. Hold for 5 min. Float held 1.5 bbl back.	6208	6208	3
4:00	1.00	01	RD cementers.	6208	6208	NIH
5:00	1.00	31	ND BOP to set slips & cut csg.	6208	6208	3
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6208	11:30	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	300	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	27.2	0	DAP - add only if we get fresh wtr, then add 5 bls per bbl. CATPOLY - do not add any more until further notice.											

Well Name: UTE TRIBAL 29-11G																		
Field Name:		ANTELOPE CREEK			S/T/R:		29/5S/3W			County, State:		DUCHESNE, UT						
Operator:		PETROGLYPH			Location Desc:			15.27 miles SW of Bridgeland, UT			District:		UTAH					

Daily Summary																	
Activity Date :		5/2/2010		Days From Spud :		58		Current Depth :		6208 Ft		24 Hr. Footage Made :		0 Ft			
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184							
Formation :		F3						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	9.00	52	Remove wear bushing. Wait on wellhead hand to get the correct slips for csg. Set csg slips.										6208	6208	4		
15:00	5.50	14	NU BOP, choke & flowline. Change out pipe rams to 3-1/2										6208	6208	4		
20:30	3.00	32	Change out kelly from 4-1/2 to 3-1/2.										6208	6208	4		
23:30	0.50	61	RU press tester & test upper & lwr kelly valves, safety valve, pipe rams inside & outside valves. All 5 min low & 10 min high.										6208	6208	4		
0:00	6.00	06	Strap 3-1/2 DP. TIH w/directional tools & 3-1/2 DRP to 2753'.										6208	6208	4		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
6208	11:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	1.0%	99.0%	0.0%	0.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
0.0	7.00	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0			
Water Loss		LCM	ECD	FL Temp	Remarks												
0		0.0	8.4	0	When drilling cmt, add SODIUM BICARB to returns going to reserve pit. DAP - add 5 sks per tour (over 10-12 hr period). CATPOLY - add 1 can over a 24 hr period.												

Daily Summary																	
Activity Date :		5/3/2010		Days From Spud :		59		Current Depth :		6690 Ft		24 Hr. Footage Made :		482 Ft			
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184							
Formation :		F3						Weather:									

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	10.00	06	TIH w/3-1/2 DP. Tag cmt @ 6149'.										6208	6208	4		
16:00	1.50	02	Drl out cmt & float equipment.										6208	6208	4		
17:30	8.00	02	Drl F/6208' to 6506'. WOB 20K. RPM 40. GPM 265										6208	6506	4		
1:30	1.00	05	Circ. Sweep to clean hole.										6506	6506	4		
2:30	3.50	02	Drl F/6506' to 6690'. WOB 20. RPM 40. GPM 265.										6506	6690	4		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
6208	10:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
0.0	7.00	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0			
Water Loss		LCM	ECD	FL Temp	Remarks												
0		0.0	8.4	0	When drlg cmt, add SODIUM BICARB to returns. DAP - 5 sks per tour. CATPOLY - 1 can over 24 hrs. POLYPLUS - 1 vis cup dwn DP every 3rd connection or as needed for tight hole.												

Well Name: UTE TRIBAL 29-11G

Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	15.27 miles SW of Bridgeland, UT	District:	UTAH

Daily Summary

Activity Date :	5/4/2010	Days From Spud :	60	Current Depth :	7320 Ft	24 Hr. Footage Made :	630 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :	F3			Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	10.50	02	Drl F/6690' to 7050'. WOB 20K. RPM 30. GPM 265	6690	7050	4
16:30	1.00	05	Circ btms up to clean hole.	7050	7050	4
17:30	3.00	02	Drl F/705' to 7137'. WOB 20K. RPM 30. GPM 265	7050	7137	4
20:30	1.00	05	Circ. Sweep for short trip. Hanging up on slides.	7137	7137	4
21:30	1.50	06	Short trip 15 stands.	7137	7137	4
23:00	2.00	02	Drl F/7137' to 7156'. WOB 20K. RPM 30. GPM 265.	7137	7156	4
1:00	1.00	07	Service rig.	7156	7156	NIH
2:00	4.00	02	Drl F/7156' to 7320'	7156	7320	4
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6812	10:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	40	100	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	Remarks										
0		0.0	8.4	0	DAP - 5 sks per tour. CATPOLY - 1 can over 24 hrs. POLYPLUS - 1 vis cup dwn DP every 3rd connection or as needed for tight hole.										

Daily Summary

Activity Date :	5/5/2010	Days From Spud :	61	Current Depth :	8482 Ft	24 Hr. Footage Made :	1162 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184		
Formation :	F3			Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	11.00	02	Drl F/7320' to 7911'. WOB 20K. RPM 30. GPM 265	7320	7911	4
17:00	1.00	07	Service rig & inspect brake linkage.	7911	7911	NIH
18:00	10.00	02	Drl F/7911' to 8482'. WOB 20K. RPM 30. GPM 265	7911	8482	4
4:00	2.00	05	Attempt to drl more hole w/no luck. Circ hole clean for short trip.	8482	8482	4
Total:	24.00					

Mud Properties

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
7508	11:30	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp				Remarks							
0		0.0	8.4	0				DAP - 5 sks per tour. CATPOLY - 1 can over 24 hrs. POLYPLUS - 1 vis cup dwn DP every 3rd connection or as needed for tight hole.							

Well Name: UTE TRIBAL 29-11G														
Field Name:		ANTELOPE CREEK			S/T/R:		29/5S/3W			County, State:		DUCHESENE, UT		
Operator:		PETROGLYPH			Location Desc:			15.27 miles SW of Bridgeland, UT			District:		UTAH	

Daily Summary															
Activity Date :		5/6/2010		Days From Spud :		62		Current Depth :		8482 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		F3						Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	1.00	05	Pmp sweep. Circ hole clean for short trip										8482	8482	4
7:00	5.00	06	Short trip to shoe.										8482	8482	4
12:00	0.50	03	Ream tight spot from 7399' to 7463'										8482	8482	4
12:30	1.50	06	TIH to 8292'										8482	8482	4
14:00	1.50	63	Pmp sweep. Clean hole										8482	8482	4
15:30	1.00	03	Wash & ream from 8292' to 8482'										8482	8482	4
16:30	3.00	05	Circ sweep & spot pill on btm										8482	8482	4
19:30	4.50	06	TOH. Strapping pipe										8482	8482	4
0:00	2.50	01	RU LD truck. LD directional tools.										8482	8482	NIH
2:30	3.50	01	RU csg crew & run liner. Make up rop off tool & TIH. NOTE: 8483' - 6924' All perf'd pipe. 6924' - 6466' blank pipe. 6466' - 6424' perf'd pipe. 6424' - 6008' blank pipe. Use Smith drop off tool to set liner.										8482	8482	4
Total:		24.00													

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
7320	10:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	7.00	0.00	0.00	0.00	40	100	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	Remarks											
0		0.0	8.4	0	DAP - add 10 sks per tour. CATPOLY - 1 can over a 24 hr period. POLYPLUS - 1 vis cup every 3rd connection or as needed for tight hole. Set pill on btm of TD.											

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8482	8:00	8.34	8.34	1	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	40	100	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	Remarks										
0		0.0	8.4	0											

Daily Summary															
Activity Date :		5/7/2010		Days From Spud :		63		Current Depth :		8482 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		F3						Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	3.50	06	TIH w/liner. Set liner @ 8482'										8482	8482	NIH
9:30	5.00	36	LDDP										8482	8482	NIH
14:30	1.50	38	Set BP @ 4520'										8482	8482	NIH
16:00	3.00	36	LDDP										8482	8482	NIH
19:00	11.00	01	RD for rig move. Rig rel @ 19:00 hrs on 05/08/2010.										8482	8482	NIH
Total:		24.00													

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
7320	10:00	8.34	8.34	27	1	0	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	7.00	0.00	0.00	0.00	40	100	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	Remarks											
0		0.0	8.4	0	DAP - 5 sks per tour. CATPOLY - 1 can over 24 hrs. POLYPLUS - 1 vis cup dwn DP every 3rd connection or as needed for tight hole.											

Well Name: UTE TRIBAL 29-11G					
Field Name:	ANTELOPE CREEK	S/T/R:	29/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	15.27 miles SW of Bridgeland, UT	District:	UTAH

Formation					
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments
Castle Peak Limesto	0	14	5472	0	
"B" Limestone	0	14	4919	0	
Douglas Creek	0	14	4547	0	
"X" Marker	0	14	4406	0	
Mahogany Shale	0	14	2843	0	

Casing									
Date In	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	Hole Diam	TD
3/11/2010	513.16	12	3. Surface	9.625	36	J-55	0	12.25	510
Stage: 1, Tail, 0, 200, 2% cacl2, 1/4 #/sk folcele, Class G, 1.15, 15.8									
5/1/2010	6250.23	137	5. Production	7	26		0	8.75	6250
Stage: 1, Wash, 10, 0, Fresh wtr flush									
Mud flush									
Light standard									
Light standard, Lightweight, , 0									
Stage: 1, Wash, 30, 0, Mud flush 111, , 0, 0									
Stage: 1, Lead, 0, 230, Halliburton light standard, Lightweight, 11, 3.29									
Stage: 1, Tail, 0, 430, Expandacem system, Expanding, 1.44, 13.5									
Stage: 1, Displacement, 237, 0, 2% KCL Displacement, , 0, 0									
5/7/2010	8482.899	58	6. Liner	4.5	11.6		0	6.785	0

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☒ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐2. NAME OF OPERATOR:
PETROGLYPH

3. ADDRESS OF OPERATOR: BOX 607 CITY ROOSEVELT STATE UT ZIP 84066 PHONE NUMBER: (435) 722-2531

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2595 FSL 2623 FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 2424 FSL 2553 FWL

AT TOTAL DEPTH: 140 FSL 1593 FWL

5. LEASE DESIGNATION AND SERIAL NUMBER:
1420H6235186. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
UTE TRIBAL 29-11G9. API NUMBER:
430133429210. FIELD AND POOL, OR WILDCAT
ANTELOPE CREEK11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
NESW 29 5S 3W12. COUNTY
DUCHESNE 13. STATE
UTAH14. DATE SPURRED: 4/25/2010 15. DATE T.D. REACHED: 5/7/2010 16. DATE COMPLETED: 8/25/2010 ABANDONED ☐ READY TO PRODUCE ☒18. TOTAL DEPTH: MD 8,482
TVD 5,87819. PLUG BACK T.D.: MD ~~8,482~~ 0
TVD ~~5,878~~ 0

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

17. ELEVATIONS (DF, RKB, RT, GL):
6516.9 RKB
21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL,DUAL SPACE DNL,ACTR

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/L)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
18	14 J55	42	0	40		REDIM		0	
12.25	9.625 J55	36	0	499		G 200	41	0	
8.75	7 L80	26	0	6,206		G 650	245	1800 CBL	
6.125 SLOT	4.5 J55	11.6	5,302	8,477					NOT CMTD
									W/DSSLs
									& SWELL P

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,256							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) GREEN RIVER	6,998	8,384	5,942	5,881
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,998 7,000	.75	27	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
7,310 7,312	.75	27	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
7,668 7,670	.75	27	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
8,019 8,021	.75	27	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6998-7000(MD)5942'TVD	117,300# SAND FRAC. 20/40 (1#-3# RAMP & 3# 2013 BBLS 22# DELTA 140 / 1000GAL 15%HCL
7310-7312(MD)5929'TVD	47,300# SAND FRAC 20/40(1#-3# RAMP & 3# W/542 BBLS 22# DELTA 140/ 1000GAL 15% HCL
7668-7670(MD)5915'TVD	NO FRAC

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

POW

(5/2000)

(CONTINUED ON BACK)

TIGHT HOLE

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/25/2010		TEST DATE: 8/26/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 2	GAS – MCF: 4	WATER – BBL: 119	PROD. METHOD: ROD PUMP
CHOKE SIZE: 30	TBG. PRESS. 20	CSG. PRESS. 19	API GRAVITY 33.00	BTU – GAS	GAS/OIL RATIO 2,000	24 HR PRODUCTION RATES: →	OIL – BBL: 2	GAS – MCF: 4	WATER – BBL: 119	INTERVAL STATUS: open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

USED FOR FUEL

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				MAHOGANY	2,855
				GARDEN GULCH	3,540
				B MARKER	3,940
				X MARKER	4,442
				DOUGLAS CREEK	4,565
				B LIME	4,932
				CASTLE PEAK	5,485
				BASAL CARBONATE	5,955

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) BOYD COOKTITLE RIG REPSIGNATURE Boyd CookDATE 9.27.10

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

CONFIDENTIAL TIGHT HOLE

PETROGLYPH



UTE TRIBAL 29-11G COMPLETION

CONTINUATION OF OF PERF. INTERVALS AND FRACS.

FORM 8 SEC. 27

PERFS. CONT:

SLOTTED LATERAL PERFS. (GREEN RIVER) CONT:

8382'-8384' MD (5881' TVD) =27 HOLES .75" OPEN

FORM 8 SEC. 28

FRACS. CONT:

DEPTH INTERVAL:

8019'-8021'=15,300# SAND FRAC 1#-3# RAMP W/410 BBLs. 22# DELTA 140 W/1,000 GAL.
15% HCL =OPEN

8382'-8384'=24,300# SAND FRAC. 1#-3# RAMP W/499 BBL. 22# DELTA 140 W/ 1,000 GAL.
15% HCL =OPEN

LATERAL LINER HANGAR@ 5315' MD (884' OVERLAP IN 7" [7" SHOE @6208' MD])
LATERAL CONSISTS OF 4 ½" J-55 11.6# WITH 5=5 ½" SWELL PKRS. AT 6827'-6834' MD.
AND 7183'-7190' MD AND 7497'-7504' MD AND 7853'-7860' MD AND 8206'-8313' MD

DSSL's AT 6998'-7000' MD AND 7308'-7310' AND 7668'-7670' AND 8019'-8021' MD POV AT
8382'-8384' FLOAT COLLAR 8429' MD FLOAT SHOE 8473'

PLEASE SEE ATTACHED DETAIL DOCUMENTATION

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TIGHT HOLE

29-116

START E

HALLIBURTON

COMPANY Petroglyph Energy				LEASE 0		WELL # 29-116		H/O CONTRACTOR 0			
COMPANY REP 0				COURTYPARISH 0		STATE 0		DATE July 17, 2010			
HALLIBURTON REP 0				SERVICE CENTER 0		SERVICE ORDER NUMBER 0					
		SIZE & WEIGHT		GRADE	THREAD	CAPACITY		TOP @		BOTTOM @	
CASING		7	26	L-80	LT & C	0.0371		0		6250	
LINER UPPER											
LINER LOWER		4 1/2	11.6	L-80	STL	0.01550				8477.00	
Land String 1		3 1/2	13.3	S135	NC38(IF)	LS Wt:	14.92	0.0072576	Pumping Displacements Drill Pipe Capacity Liner Capacity Shoe Track Capacity Total Volume to Land Plug		BBLs 41.1 49.3 0.7 90.4
Land String 2						LS Wt:					
Land String 3						LS Wt:					
Mud Wt:		8.6				Buoyancy Fact:		0.8700	Block Wt:		0.00
Make Up Thread Loss					in.				Lap =		804'
# Jnts run	Jnt. #	Thread-on Length	Liner Strap Length	Made-up Length	Shoe To RT	Thread / Hanger to RT	Total depth RKB - TOP	Comments	Hook Load	K lbs.	Cap. BBLs
(Shoe Depth)						(Shoe Depth)	8477.0				
	Shoe	-	1.23	1.23	1.23	STL	8475.8		0.0		0.0
#1 Shoe Jt.	1	-	44.70	44.70	45.93	STL	8431.1		0.5		0.7
1	0	-	0.00	0.00	45.93	STL	8431.1		0.5		0.7
0	0	-	0.00	0.00	45.93	STL	8431.1		0.5		0.7
0	0	-	0.00	0.00	45.93	STL	8431.1		0.5		0.7
#3 Float Collar	FC&LC	-	2.00	2.00	47.93	STL	8429.1		0.5		0.7
2	2	-	44.70	44.70	92.63	STL	8384.4		0.9		1.4
	PCV	-	2.63	2.63	95.26	STL	8381.7		1.0		1.5
3	3	-	45.00	45.00	140.26	STL	8336.7		1.4		2.2
4	4	-	44.70	44.70	184.96	STL	8292.0		1.9		2.9
5	5	-	41.20	41.20	226.16	STL	8250.8		2.3		3.5
6	6	-	44.90	44.90	271.06	STL	8205.9		2.7		4.2
		-	16.61	16.61	287.67	STL	8189.3		2.9		4.5
7	7	-	41.20	41.20	328.87	STL	8148.1		3.3		5.1
8	8	-	41.50	41.50	370.37	STL	8106.6		3.7		5.7
9	9	-	41.30	41.30	411.67	STL	8065.3		4.2		6.4
10	10	-	41.40	41.40	453.07	STL	8023.9		4.6		7.0
		-	2.55	2.55	455.62	STL	8021.4		4.6		7.1
11	11	-	42.10	42.10	497.72	STL	7979.3		5.0		7.7
12	12	-	42.10	42.10	539.82	STL	7937.2		5.4		8.4
13	13	-	42.10	42.10	581.92	STL	7895.1		5.9		10.0
14	14	-	41.90	41.90	623.82	STL	7853.2		6.3		10.6
		-	16.61	16.61	640.43	STL	7836.6		6.5		10.9
15	15	-	42.10	42.10	682.53	STL	7794.5		6.9		11.6
16	16	-	42.10	42.10	724.63	STL	7752.4		7.3		12.2
17	17	-	42.10	42.10	766.73	STL	7710.3		7.7		12.9
18	18	-	42.10	42.10	808.83	STL	7668.2		8.2		13.5
	DSS #3	-	2.55	2.55	811.38	STL	7665.6		8.2		13.6
19	19	-	42.10	42.10	853.48	STL	7623.5		8.6		14.2
20	20	-	42.10	42.10	895.58	STL	7581.4		9.0		14.9
21	21	-	42.10	42.10	937.68	STL	7539.3		9.5		15.5
22	22	-	42.10	42.10	979.78	STL	7497.2		9.9		16.2
	Shoe Tracker	-	16.61	16.61	996.39	STL	7480.6		10.1		16.4
23	23	-	42.10	42.10	1038.49	STL	7438.5		10.5		17.1
24	24	-	42.10	42.10	1080.59	STL	7396.4		10.9		17.7
25	25	-	42.10	42.10	1122.69	STL	7354.3		11.3		18.4
26	26	-	42.10	42.10	1164.79	STL	7312.2		11.8		19.0
	DSS #4	-	2.55	2.55	1167.34	STL	7309.7		11.8		19.1
27	27	-	42.10	42.10	1209.44	STL	7267.6		12.2		19.7
28	28	-	42.10	42.10	1251.54	STL	7225.5		12.6		20.4
29	29	-	42.10	42.10	1293.64	STL	7183.4		13.1		21.0
	Shoe Tracker	-	16.61	16.61	1310.25	STL	7166.8		13.2		21.3
30	30	-	42.10	42.10	1352.35	STL	7124.7		13.6		21.9
31	31	-	42.10	42.10	1394.45	STL	7082.6		14.1		22.6
32	32	-	42.10	42.10	1436.55	STL	7040.5		14.5		23.2
33	33	-	42.10	42.10	1478.65	STL	6998.4		14.9		23.9
	DSS #5	-	2.55	2.55	1481.20	STL	6995.8		14.9		23.9
34	34	-	42.10	42.10	1523.30	STL	6953.7		15.4		24.6
35	35	-	42.10	42.10	1565.40	STL	6911.6		15.8		25.2
36	36	-	42.10	42.10	1607.50	STL	6869.5		16.2		25.9
37	37	-	42.10	42.10	1649.60	STL	6827.4		16.6		26.5

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		-	16.61	16.61		1666.21	STL	6810.8		16.8	26.8
38	38	-	42.10	42.10		1708.31	STL	6768.7		17.2	27.5
39	39	-	42.10	42.10		1750.41	STL	6726.6		17.7	28.1
40	40	-	42.10	42.10		1792.51	STL	6684.5		18.1	28.8
41	41	-	42.10	42.10		1834.61	STL	6642.4		18.5	29.4
42	42	-	42.10	42.10		1876.71	STL	6600.3		18.9	30.1
43	43	-	42.10	42.10		1918.81	STL	6558.2		19.4	30.7
44	44	-	42.10	42.10		1960.91	STL	6516.1		19.8	31.4
45	45	-	42.10	42.10		2003.01	STL	6474.0		20.2	32.0
46	46	-	42.10	42.10		2045.11	STL	6431.9		20.6	32.7
47	46	-	42.10	42.10		2087.21	STL	6389.8		21.1	33.3
48	48	-	42.10	42.10		2129.31	STL	6347.7		21.5	34.0
49	49	-	41.90	41.90		2171.21	STL	6305.8		21.9	34.6
50	50	-	42.10	42.10		2213.31	STL	6263.7		22.3	35.3
51	51	-	42.10	42.10		2255.41	STL	6221.6		22.6	35.9
52	52	-	42.10	42.10		2297.51	STL	6179.5		23.2	36.6
53	53	-	42.10	42.10		2339.61	STL	6137.4		23.6	37.2
54	54	-	42.10	42.10		2381.71	STL	6095.3		24.0	37.9
55	55	-	42.10	42.10		2423.81	STL	6053.2		24.5	38.5
56	56	-	42.10	42.10		2465.91	STL	6011.1		24.9	39.2
57	57	-	41.90	41.90		2507.81	STL	5969.2		25.3	39.9
58	58	-	42.10	42.10		2549.91	STL	5927.1		25.7	40.5
59	59	-	42.10	42.10		2592.01	STL	5885.0		26.2	41.2
60	60	-	42.10	42.10		2634.11	STL	5842.9		26.6	41.8
61	61	-	42.10	42.10		2676.21	STL	5800.8		27.0	42.5
62	62	-	42.10	42.10		2718.31	STL	5758.7		27.4	43.1
63	63	-	42.10	42.10		2760.41	STL	5716.6		27.9	43.8
64	64	-	42.10	42.10		2802.51	STL	5674.5		28.3	44.4
65	65	-	42.10	42.10		2844.61	STL	5632.4		28.7	45.1
66	66	-	42.10	42.10		2886.71	STL	5590.3		29.1	45.7
67	67	-	42.10	42.10		2928.81	STL	5548.2		29.6	46.4
68	68	-	42.10	42.10		2970.91	STL	5506.1		30.0	47.0
69	69	-	42.10	42.10		3013.01	STL	5464.0		30.4	47.7
70	70	-	42.10	42.10		3055.11	STL	5421.9		30.8	48.3
71	71	-	42.10	42.10		3097.21	STL	5379.8		31.3	49.0
72	72	-	42.10	42.10		3139.31	STL	5337.7		31.7	49.6
73	72	OUT	42.10	0.00		3139.31	STL	5337.7		31.7	49.6
74	72	OUT	42.10	0.00		3139.31	STL	5337.7		31.7	49.6
75	72	OUT	42.10	0.00		3139.31	STL	5337.7		31.7	49.6
76	72	OUT	42.10	0.00		3139.31	STL	5337.7		31.7	49.6
77	72	OUT	42.10	0.00		3139.31	STL	5337.7		31.7	49.6
XO / VAM top X LTC				1.36		3140.67		5336.3		31.7	49.7
Elastomers to bottom of Hanger Jt				11.89		3152.66		5324.3	Basotmer Location	31.8	49.8
Top of Hanger to Elastomers				8.85		3161.51		5315.5	TBR Top	31.9	50.0
Setting Tool (above hgr)				12.97	Tally Joint	3174.48	12.97	5302.52		32.5	50.1
Pipe	Stand										
DP	1	-	32.03	32.03	89	3206.51	45.00	5270.49		32.9	50.3
DP		-	31.83	31.83	90	3238.04	76.53	5238.96		33.3	50.5
DP	2	-	32.08	32.08	91	3270.12	108.61	5206.88		33.7	50.8
DP		-	31.89	31.89	92	3302.11	140.60	5174.89		34.1	51.0
DP	3	-	32.35	32.35	93	3334.46	172.95	5142.64		34.5	51.2
DP		-	31.26	31.26	94	3366.72	204.21	5111.28		35.0	51.5
DP	4	-	31.45	31.45	95	3397.17	235.66	5079.83		35.4	51.7
DP		-	31.60	31.60	96	3428.77	267.26	5048.23		35.8	51.9
DP	5	-	32.02	32.02	97	3460.79	299.28	5016.21		36.2	52.2
DP		-	32.32	32.32	98	3493.11	331.60	4983.89		36.6	52.4
DP	6	-	32.15	32.15	99	3525.26	363.75	4951.74		37.0	52.6
DP		-	31.58	31.58	100	3556.84	395.33	4920.10		37.4	52.9
DP	7	-	31.43	31.43	101	3588.27	426.76	4888.73		37.8	53.1
DP		-	31.48	31.48	102	3619.75	458.24	4857.25		38.3	53.3
DP	8	-	31.51	31.51	103	3651.26	489.75	4825.74		38.7	53.5
DP		-	32.14	32.14	104	3683.40	521.89	4793.60		39.1	53.8
DP	9	-	32.01	32.01	105	3715.41	553.90	4761.59		39.5	54.0
DP		-	31.88	31.88	106	3747.29	585.78	4729.71		39.9	54.2
DP	10	-	32.12	32.12	107	3779.41	617.90	4697.59		40.3	54.5
DP		-	32.15	32.15	108	3811.56	650.05	4665.44		40.7	54.7
DP	11	-	31.45	31.45	109	3843.01	681.50	4633.99		41.1	54.9
DP		-	32.18	32.18	110	3875.19	713.68	4601.81		41.6	55.2
DP	12	-	32.25	32.25	111	3907.44	745.93	4569.56		42.0	55.4
DP		-	31.46	31.46	112	3938.90	777.39	4538.10		42.4	55.6
DP	13	-	32.00	32.00	113	3970.90	809.39	4506.10		42.8	55.9
DP		-	32.29	32.29	114	4003.19	841.68	4473.81		43.2	56.1
DP	14	-	31.72	31.72	115	4034.91	873.40	4442.09		43.6	56.3
DP		-	32.40	32.40	116	4067.31	905.80	4409.69		44.1	56.6
DP	15	-	32.10	32.10	117	4099.41	937.90	4377.59		44.5	56.8
DP		-	31.75	31.75	118	4131.16	969.65	4345.84		44.9	57.0

CONFIDENTIAL TIGHT HOLE

Casing Information	
7" 26 ppf, L-80, LT&C	
Weight	7240 lbs
Collaps	5410 psi
Body Yield	1.0M KD
Capacity	6.6783 bbl/h
OD	7.000"
ID	6.276"
Box	6.151"

Program TO:
 @ 5, 483.0 ft MD
 @ 5, 678.41 ft TVD
 Angle = 92.42°
 Azimuth = 205.42°

Liner Information	
4-1/2" 11.6 ppf, 2.55	
Weight	2350 lbs
Collaps	4950 psi
Body Yield	184,000 psi
Capacity	0.0155 bbl/h
OD	4.500"
ID	4.000"
ID Box	3.875"

SHA Dimensional Information				
Component	OD	ID	Length	Collapse/Burst P
Upper PBR (current run of VFLH)	6.910"	5.250"	8.850	5392 psi @ 60 psi
VersaFlex 1.1 (7-1/2")	5.61"	4.213"	1.34 ft	6751 psi @ 10,891 psi
Crossover 5" Vam Top Pin x 4-1/2"	5.61"	4.213"	1.34"	10,000 psi
Seal/ Failure WBM (2 Meter Barrier)	5.75"	3.92"	4.50 ft	3504 psi ΔP
Delta Star Sleeve Late (DSSL)	5.75"	3.92"	2.5 ft	10,000 psi ΔP
LC + Hot Casing Flow Shoe	NA	NA	2.0 ft @ 2.5 ft	10,000 psi

8.85 ft Upper PBR = 5.250" ID fullbore
 Set @ 5,315 ft
 VersaFlex Expandable Liner w/ID=4.213"
 Set @ 5,324 ft MD (setting
 procedure: 6000/6800/8000well)

Intermediate Casing:
 7", 26 ppf, L-80, LT&C
 Shoe @ 6208 ft MD

Crossover: 5" 18ppf, VAMTOP HT Box x 4-
 1/2" 11.6ppf 2-55

SP WBM
 P/N = 101905085
 Length = 6.60 Ft
 OD = 5.75"
 ID = 3.92"
 ΔP = 3500 PSI
 Depth = 6827-6834 Ft

SP WBM
 P/N = 101905085
 Length = 6.60 Ft
 OD = 5.75"
 ID = 3.92"
 ΔP = 3500 PSI
 Depth = 7183-7190 Ft

SP WBM
 P/N = 101905066
 Length = 5.60 Ft
 OD = 5.75"
 ID = 3.92"
 ΔP = 3500 PSI
 Depth = 7487-7494 Ft

SP WBM
 P/N = 101905085
 Length = 6.60 Ft
 OD = 5.75"
 ID = 3.92"
 ΔP = 3500 PSI
 Depth = 7853-7860 Ft

SP WBM
 P/N = 101905086
 Length = 6.60 Ft
 OD = 5.75"
 ID = 3.92"
 ΔP = 3500 PSI
 Depth = 8206-8213 Ft

6-1/8" Hole

DSSL P/N = 101799118
 Length = 2.55 ft
 OD = 5.60"
 ID = 3.83"
 ΔP = 10,000 PSI
 Max rate = 100 bpm
 Ball P/N = 10189887D
 Ball size = 3.615"
 Baffle P/N = 101912685
 Baffle size = 3.473"
 Depth = 7000 Ft

Zone # 5

DSSL P/N = 101799118
 Length = 2.55 ft
 OD = 5.60"
 ID = 3.83"
 ΔP = 10,000 PSI
 Max rate = 100 bpm
 Ball P/N = 10189887D
 Ball size = 3.37"
 Baffle P/N = 101912684
 Baffle size = 3.310"
 Depth = 7310 Ft

Zone # 4

DSSL P/N = 101799118
 Length = 2.55 ft
 OD = 5.60"
 ID = 3.83"
 ΔP = 10,000 PSI
 Max rate = 100 bpm
 Ball P/N = 10189887
 Ball size = 3.250"
 Baffle P/N = 101912683
 Baffle size = 3.155"
 Depth = 7666 Ft

Zone # 3

DSSL P/N = 101799116
 Length = 2.55 ft
 OD = 5.60"
 ID = 3.83"
 ΔP = 10,000 PSI
 Max rate = 100 bpm
 Ball P/N = 101845713
 Ball size = 3.125"
 Baffle P/N = 101912682
 Baffle size = 3.040"
 Depth = 8021 Ft

Zone # 2

POV P/N = 101688549
 Length = 2.63 ft
 OD = 5.77"
 ID = 3.53"
 ΔP = 10,000 PSI
 Max Rate = 70 bpm
 Depth = 8362 Ft

Zone # 1

FC&LC 4 1/2" BRD
 L80
 FC P/N = 100004753
 LC P/N = 101867839
 OD = X XX"
 ID = 1.40"
 ΔP = X,XXX PSI
 Depth = 8428 Ft

FS 4 1/2" LTC
 L80
 FS P/N = 10000488D
 OD = X,XXX"
 ID = X,XXX"
 ΔP = 8477 PSI
 Depth = XX,XXX Ft

Drawing not to scale

CONFIDENTIAL

TIGHT HOLE

TIGHT HOLE

Job Number: []
 Company: []
 Lease/Well: []
 Location: []
 Rig Name: []
 RKB: []
 G.L. or M.S.L.: []

State/Country: []
 Declination: []
 Grid: []
 File name: D:\WINSERVE\UT29-11GIUT29-11G.SVY
 Date/Time: 07-May-10 / 18:34
 Curve Name: AS DRILLED

CONFIDENTIAL

Scientific Drilling

RECEIVED

SEP 30 2010

TIGHT HOLE

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 201.54
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead
 DIV. OF OIL, GAS & MINING

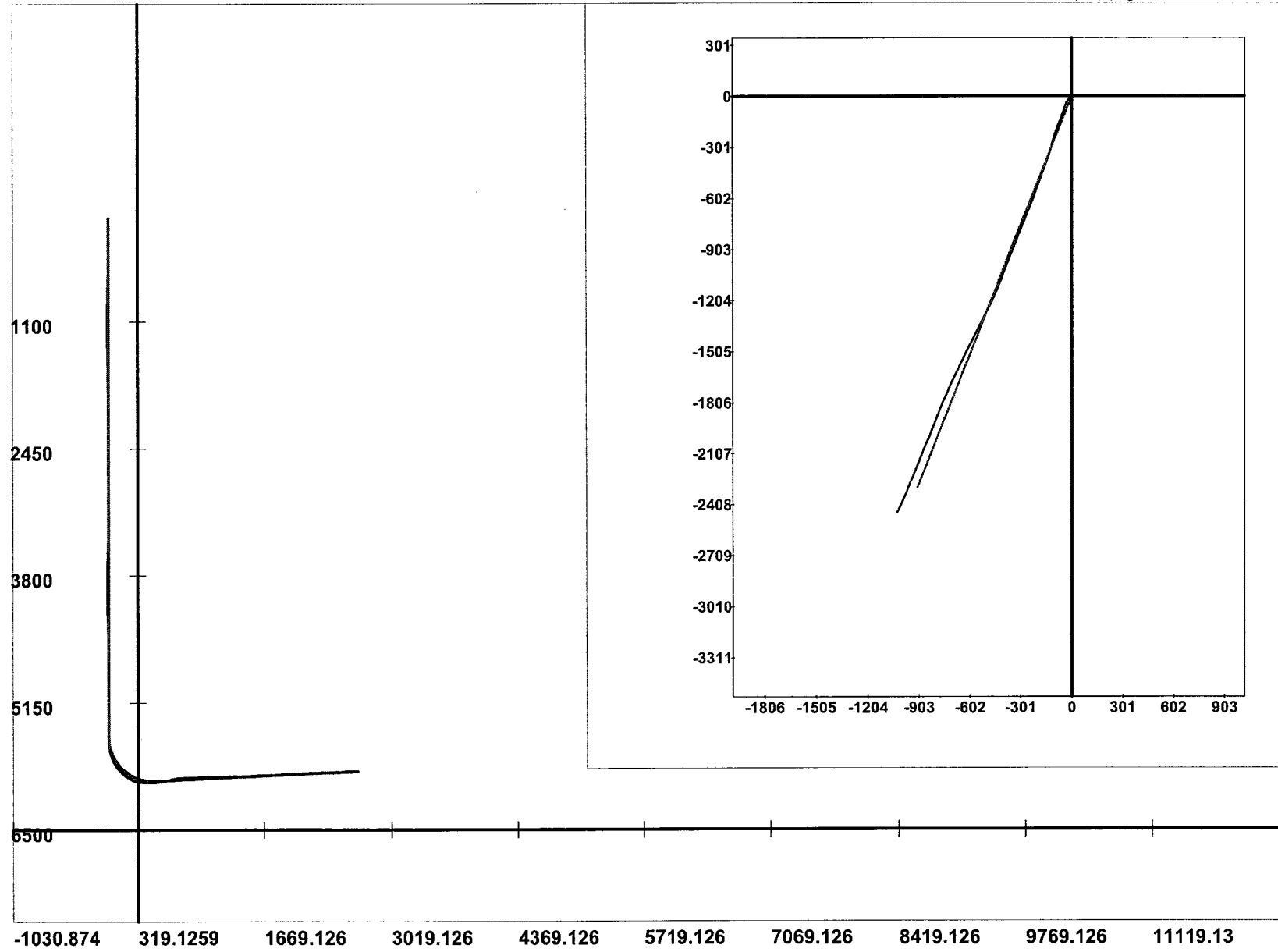
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
542.00	.88	125.96	541.98	-2.44	3.37	1.04	4.16	125.96	.16
633.00	1.32	55.29	632.97	-2.26	4.80	.34	5.30	115.21	1.45
725.00	1.58	58.28	724.94	-.99	6.75	-1.56	6.82	98.33	.29
816.00	.79	29.01	815.92	.22	8.12	-3.19	8.12	88.44	1.07
908.00	1.06	314.74	907.91	1.37	7.82	-4.15	7.94	80.03	1.24
1000.00	1.06	308.42	999.89	2.50	6.55	-4.73	7.01	69.09	.13
1092.00	.97	306.40	1091.88	3.49	5.26	-5.18	6.31	56.39	.11
1186.00	.35	173.24	1185.87	3.68	4.65	-5.13	5.93	51.64	1.31
1281.00	.53	139.49	1280.87	3.06	4.97	-4.67	5.83	58.39	.32
1375.00	.70	165.86	1374.87	2.17	5.39	-4.00	5.81	68.07	.35
1471.00	.70	169.99	1470.86	1.02	5.64	-3.02	5.73	79.70	.05
1564.00	.79	175.79	1563.85	-.17	5.78	-1.96	5.79	91.72	.13

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1659.00	.35	226.06	1658.85	-1.03	5.62	-1.11	5.72	100.37	.66
1753.00	.79	267.90	1752.84	-1.25	4.77	-.59	4.93	104.71	.62
1847.00	1.14	246.98	1846.83	-1.64	3.26	.33	3.65	116.72	.52
1942.00	.62	237.54	1941.82	-2.29	1.96	1.41	3.01	139.46	.57
2037.00	.53	286.27	2036.81	-2.44	1.10	1.86	2.68	155.72	.51
2132.00	.35	311.14	2131.81	-2.13	.46	1.81	2.17	167.78	.27
2227.00	.62	248.39	2226.81	-2.12	-.24	2.06	2.14	186.35	.58
2322.00	1.01	276.10	2321.80	-2.22	-1.55	2.64	2.71	214.82	.57
2418.00	.91	296.73	2417.78	-1.79	-3.07	2.79	3.55	239.73	.37
2513.00	.38	335.70	2512.78	-1.16	-3.87	2.51	4.04	253.26	.69
2605.00	.28	242.70	2604.78	-.99	-4.20	2.46	4.31	256.73	.53
2700.00	.62	211.74	2699.77	-1.53	-4.67	3.14	4.92	251.84	.43
2795.00	.44	252.96	2794.77	-2.08	-5.29	3.88	5.69	248.57	.43
2889.00	.62	294.97	2888.77	-1.97	-6.10	4.07	6.41	252.11	.44
2982.00	1.32	295.58	2981.75	-1.29	-7.52	3.96	7.63	260.24	.75
3076.00	.44	258.85	3075.74	-.90	-8.85	4.08	8.90	264.22	1.07
3170.00	1.32	208.48	3169.73	-1.92	-9.72	5.35	9.91	258.84	1.16
3265.00	.18	310.00	3264.72	-2.78	-10.36	6.39	10.73	254.96	1.44
3360.00	1.85	19.26	3359.70	-1.24	-9.97	4.81	10.04	262.91	1.89
3456.00	1.76	8.36	3455.66	1.68	-9.24	1.83	9.39	280.31	.37
3551.00	1.67	26.38	3550.62	4.37	-8.41	-.97	9.48	297.42	.57
3647.00	1.49	13.46	3646.58	6.83	-7.50	-3.60	10.15	312.32	.41
3741.00	.97	51.95	3740.56	8.51	-6.59	-5.50	10.77	322.24	1.01
3836.00	.97	50.02	3835.54	9.52	-5.34	-6.90	10.92	330.71	.03
3930.00	1.32	107.15	3929.53	9.72	-3.70	-7.68	10.40	339.16	1.21
4025.00	1.67	131.05	4024.50	8.48	-1.61	-7.30	8.64	349.26	.74
4120.00	1.49	166.03	4119.46	6.38	-.27	-5.83	6.38	357.61	1.02
4215.00	1.93	175.26	4214.42	3.58	.16	-3.39	3.59	2.62	.54
4310.00	1.23	191.35	4309.38	.99	.10	-.96	.99	5.51	.87
4405.00	.62	191.17	4404.37	-.51	-.20	.55	.55	201.70	.64
4501.00	.53	223.25	4500.37	-1.35	-.61	1.48	1.48	204.34	.34
4595.00	1.06	260.25	4594.36	-1.81	-1.76	2.33	2.53	224.25	.76
4690.00	.62	299.01	4689.35	-1.71	-3.08	2.72	3.52	240.95	.73
4785.00	.18	326.70	4784.35	-1.34	-3.61	2.57	3.85	249.68	.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4879.00	.70	81.22	4878.34	-1.13	-3.13	2.19	3.32	250.19	.84
4973.00	.62	80.43	4972.34	-.95	-2.06	1.64	2.27	245.11	.09
5067.00	.26	200.57	5066.34	-1.07	-1.63	1.59	1.95	236.74	.83
5159.00	.53	218.07	5158.33	-1.60	-1.97	2.21	2.53	230.86	.32
5253.00	.53	148.72	5252.33	-2.31	-2.01	2.89	3.06	220.95	.64
5346.00	.18	149.33	5345.33	-2.81	-1.71	3.24	3.29	211.35	.38
5421.00	.88	329.96	5420.33	-2.41	-1.94	2.95	3.09	218.81	1.41
5452.00	1.23	331.54	5451.32	-1.91	-2.22	2.59	2.93	229.23	1.13
5484.00	1.32	311.06	5483.31	-1.37	-2.66	2.25	2.99	242.78	1.44
5515.00	2.73	241.45	5514.30	-1.48	-3.58	2.69	3.87	247.45	8.34
5547.00	4.84	242.77	5546.22	-2.47	-5.45	4.29	5.98	245.63	6.60
5579.00	5.01	211.92	5578.11	-4.27	-7.38	6.68	8.53	239.96	8.19
5609.00	6.60	212.45	5607.96	-6.84	-9.00	9.67	11.30	232.78	5.30
5638.00	8.00	224.05	5636.72	-9.69	-11.30	13.17	14.89	229.37	6.99
5669.00	11.96	218.25	5667.25	-13.77	-14.79	18.24	20.21	227.05	13.16
5701.00	16.71	215.17	5698.24	-20.14	-19.50	25.89	28.03	224.07	15.03
5733.00	21.02	212.27	5728.52	-28.76	-25.21	36.00	38.24	221.24	13.78
5764.00	25.24	207.44	5757.02	-39.33	-31.23	48.05	50.22	218.45	14.91
5796.00	29.19	200.76	5785.48	-52.69	-37.14	62.65	64.46	215.18	15.59
5827.00	33.59	196.63	5811.94	-67.98	-42.28	78.76	80.06	211.88	15.79
5859.00	38.25	196.63	5837.85	-85.97	-47.65	97.46	98.29	209.00	14.56
5891.00	42.56	197.68	5862.21	-105.78	-53.78	118.13	118.66	206.95	13.64
5922.00	46.34	201.11	5884.34	-126.24	-61.00	139.82	140.20	205.79	14.44
5954.00	50.39	202.78	5905.60	-148.41	-69.95	163.73	164.07	205.24	13.24
5986.00	54.26	203.13	5925.15	-171.73	-79.83	189.04	189.37	204.93	12.12
6018.00	58.12	200.32	5942.96	-196.42	-89.65	215.62	215.91	204.53	14.10
6049.00	62.52	197.77	5958.30	-221.88	-98.42	242.52	242.73	203.92	15.89
6081.00	67.80	193.99	5971.75	-249.80	-106.34	271.40	271.49	203.06	19.67
6113.00	74.48	194.61	5982.08	-279.12	-113.82	301.42	301.44	202.18	20.96
6144.00	81.51	194.78	5988.53	-308.43	-121.51	331.51	331.51	201.50	22.68
6229.00	90.75	201.46	5994.26	-388.89	-147.87	416.02	416.06	200.82	13.40
6261.00	91.63	201.02	5993.60	-418.71	-159.46	448.02	448.05	200.85	3.07
6293.00	92.59	200.58	5992.42	-448.61	-170.81	479.99	480.03	200.85	3.30
6325.00	94.62	199.35	5990.41	-478.62	-181.72	511.91	511.96	200.79	7.41

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6357.00	97.87	199.53	5986.93	-508.61	-192.30	543.70	543.75	200.71	10.17
6390.00	97.87	199.61	5982.41	-539.42	-203.25	576.37	576.44	200.65	.24
6422.00	98.66	199.88	5977.81	-569.22	-213.95	608.02	608.10	200.60	2.61
6454.00	100.95	200.49	5972.36	-598.81	-224.83	639.54	639.63	200.58	7.40
6486.00	102.53	200.93	5965.85	-628.12	-235.91	670.87	670.96	200.59	5.12
6518.00	98.93	201.37	5959.89	-657.44	-247.25	702.30	702.39	200.61	11.33
6550.00	96.46	201.55	5955.61	-686.95	-258.85	734.01	734.10	200.65	7.74
6582.00	94.70	201.46	5952.50	-716.58	-270.53	765.86	765.94	200.68	5.51
6614.00	93.03	201.81	5950.34	-746.26	-282.30	797.78	797.87	200.72	5.33
6646.00	91.01	201.81	5949.21	-775.94	-294.18	829.76	829.84	200.76	6.31
6678.00	91.01	201.11	5948.65	-805.72	-305.88	861.76	861.83	200.79	2.19
6710.00	91.63	201.20	5947.91	-835.56	-317.43	893.75	893.82	200.80	1.96
6742.00	91.63	201.02	5947.00	-865.40	-328.95	925.73	925.81	200.81	.56
6774.00	91.89	201.64	5946.02	-895.19	-340.58	957.72	957.79	200.83	2.10
6806.00	91.36	202.25	5945.11	-924.86	-352.54	989.70	989.77	200.87	2.52
6839.00	91.89	202.08	5944.18	-955.41	-364.98	1022.69	1022.75	200.91	1.69
6871.00	91.28	201.81	5943.29	-985.08	-376.94	1054.68	1054.73	200.94	2.08
6903.00	90.31	201.81	5942.85	-1014.79	-388.83	1086.67	1086.73	200.96	3.03
6935.00	89.60	202.16	5942.87	-1044.46	-400.81	1118.67	1118.72	200.99	2.47
6967.00	89.34	201.37	5943.17	-1074.18	-412.67	1150.67	1150.72	201.02	2.60
6998.00	93.03	202.08	5942.53	-1102.96	-424.14	1181.66	1181.70	201.03	12.12
7030.00	93.47	203.39	5940.71	-1132.43	-436.49	1213.60	1213.64	201.08	4.31
7062.00	91.01	204.27	5939.46	-1161.67	-449.41	1245.54	1245.57	201.15	8.16
7094.00	90.57	204.98	5939.02	-1190.76	-462.74	1277.49	1277.51	201.24	2.61
7126.00	91.10	205.77	5938.55	-1219.67	-476.45	1309.42	1309.43	201.34	2.97
7157.00	92.86	206.91	5937.48	-1247.43	-490.19	1340.29	1340.29	201.45	6.76
7189.00	92.95	206.65	5935.86	-1275.97	-504.59	1372.12	1372.12	201.58	.86
7220.00	92.77	207.00	5934.31	-1303.59	-518.57	1402.95	1402.95	201.69	1.27
7251.00	92.24	207.00	5932.96	-1331.19	-532.63	1433.78	1433.79	201.81	1.71
7283.00	92.51	207.09	5931.63	-1359.67	-547.16	1465.60	1465.63	201.92	.89
7315.00	93.56	207.26	5929.94	-1388.09	-561.76	1497.40	1497.46	202.03	3.32
7347.00	91.54	206.47	5928.52	-1416.61	-576.20	1529.23	1529.31	202.13	6.78
7379.00	91.98	206.82	5927.53	-1445.20	-590.55	1561.09	1561.20	202.23	1.76
7411.00	92.95	205.86	5926.16	-1473.85	-604.73	1592.94	1593.09	202.31	4.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7443.00	93.21	205.94	5924.44	-1502.59	-618.69	1624.81	1624.98	202.38	
7475.00	92.68	206.21	5922.79	-1531.30	-632.74	1656.66	1656.87	202.45	.85
7507.00	92.33	206.56	5921.39	-1559.94	-646.94	1688.52	1688.77	202.52	1.86
7540.00	91.63	206.12	5920.25	-1589.49	-661.58	1721.38	1721.68	202.60	1.55
7572.00	92.07	205.94	5919.22	-1618.23	-675.61	1753.27	1753.60	202.66	2.51
									1.49
7603.00	92.51	205.68	5917.98	-1646.12	-689.10	1784.16	1784.53	202.72	
7635.00	92.68	205.15	5916.53	-1674.99	-702.82	1816.05	1816.46	202.76	1.65
7667.00	91.98	204.01	5915.23	-1704.07	-716.12	1847.98	1848.42	202.79	1.74
7699.00	93.12	204.19	5913.81	-1733.25	-729.17	1879.91	1880.38	202.82	4.18
7731.00	92.68	203.66	5912.19	-1762.46	-742.13	1911.85	1912.33	202.83	3.61
									2.15
7763.00	92.42	202.87	5910.77	-1791.83	-754.76	1943.80	1944.30	202.84	
7795.00	92.68	202.95	5909.34	-1821.27	-767.20	1975.76	1976.27	202.84	2.60
7826.00	92.77	201.99	5907.87	-1849.89	-779.04	2006.72	2007.23	202.84	.85
7859.00	92.68	201.81	5906.30	-1880.47	-791.33	2039.68	2040.19	202.82	3.11
7891.00	93.12	201.64	5904.68	-1910.16	-803.16	2071.64	2072.14	202.81	.61
									1.47
7923.00	92.68	201.37	5903.06	-1939.90	-814.88	2103.60	2104.10	202.79	
7955.00	92.95	201.90	5901.49	-1969.60	-826.66	2135.56	2136.05	202.77	1.61
7987.00	92.86	202.43	5899.87	-1999.20	-838.72	2167.52	2168.01	202.76	1.86
8019.00	92.77	202.52	5898.30	-2028.74	-850.94	2199.47	2199.97	202.76	1.68
8050.00	92.77	202.25	5896.80	-2057.37	-862.73	2230.43	2230.93	202.75	.40
									.87
8083.00	92.77	201.81	5895.20	-2087.92	-875.09	2263.39	2263.89	202.74	
8114.00	93.21	201.81	5893.59	-2116.66	-886.59	2294.35	2294.84	202.73	1.33
8146.00	92.24	202.08	5892.07	-2146.31	-898.54	2326.31	2326.80	202.72	1.42
8177.00	92.24	201.72	5890.85	-2175.05	-910.09	2357.29	2357.78	202.71	3.15
8209.00	92.59	202.34	5889.51	-2204.69	-922.08	2389.26	2389.75	202.70	1.16
									2.22
8240.00	92.59	202.60	5888.11	-2233.31	-933.92	2420.22	2420.71	202.69	
8272.00	93.12	202.16	5886.51	-2262.86	-946.09	2452.18	2452.67	202.69	.84
8305.00	92.33	202.16	5884.94	-2293.39	-958.52	2485.14	2485.64	202.68	2.15
8336.00	92.42	202.43	5883.66	-2322.04	-970.27	2516.11	2516.61	202.68	2.39
8368.00	91.45	202.87	5882.58	-2351.56	-982.59	2548.09	2548.59	202.68	.92
									3.33
8399.00	91.71	204.01	5881.72	-2379.99	-994.92	2579.06	2579.57	202.69	
8430.00	92.42	205.42	5880.61	-2408.13	-1007.87	2609.99	2610.53	202.71	3.77
--projection to bit--									5.09
8482.00	92.42	205.42	5878.41	-2455.05	-1030.17	2661.82	2662.43	202.76	.00



CONFIDENTIAL

HALLIBURTON

Petroglyph Energy Inc Ute Tribal 29-11G Duchesne County, UT

Casing Information	
7", 26 ppf, L-80, LT&C	
Burst=	7240 psi
Collapse=	5410 psi
Body Yield=	604 Klb
Capacity=	0.0382 bbl/ft
OD=	7.000"
ID=	6.276"
ID _{ext} =	6.131"

Program TD:
@ 8, 483.0 ft MD
@ 5, 878.41 ft TVD
Angle = 92.42°
Azimuth = 205.42°

Liner Information	
4-1/2", 11.6 ppf, J-55	
Burst=	5350psi
Collapse=	4960psi
Body Yield=	184,000lb
Capacity=	0.0155bbl/ft
OD=	4.500"
ID=	4.000"
ID _{ext} =	3.875"

BHA Dimensional Information				
Component	OD	ID	Length	Collapse/Burst P
Upper PBR (integral part of VFLH)	6.010"	5.250"	8.85ft	5,392psi/8,682psi
VersaFlex LT (7"x 5")	5.61"	4.213"	1.34 ft	9,751psi/ 10,891psi
Crossover 5" Vam Top Pin x 4-1/2"	5.61"	4.213"	1.34'	10,000 psi
Swell Packer WBM (2 Meter Element)	5.75"	3.92"	6.56ft	3500psi ΔP
Delta Stim Sleeve Lite (DSSL)	5.77"	3.83"	2.0 ft	10,000psi ΔP
LC +Float Collar/Float Shoe	N/A	N/A	2.0 ft/1.23 ft	10,000 psi

8.85 ft Upper PBR = 5.250" ID fullbore
Set @ 5,315 ft
VersaFlex Expandable Liner w/ID=4.213".
Set @ 5,324 ft MD (setting
pressure=6000/6800/8000psi)

Intermediate Casing:
7", 26 ppf, L-80, LT&C
Shoe @ 6208 ft MD

Crossover: 5" 18ppf, VAMTOP HT Box x 4-
1/2" 11.6ppf J-55

SP WBM
P/N = 101905088
Length = 6.60 Ft
OD = 5.75"
ID = 3.92"
ΔP = 3500 PSI
Depth = 6827-6834 Ft

SP WBM
P/N = 101905088
Length = 6.60 Ft
OD = 5.75"
ID = 3.92"
ΔP = 3500 PSI
Depth = 7183-7190 Ft

SP WBM
P/N = 101905088
Length = 6.60 Ft
OD = 5.75"
ID = 3.92"
ΔP = 3500 PSI
Depth = 7497-7504 Ft

SP WBM
P/N = 101905088
Length = 6.60 Ft
OD = 5.75"
ID = 3.92"
ΔP = 3500 PSI
Depth = 7853-7860 Ft

SP WBM
P/N = 101905088
Length = 6.60Ft
OD = 5.75"
ID = 3.92"
ΔP = 3500 PSI
Depth = 8206-8313 Ft

6-1/8" Hole

DSSL P/N = 101799118
Length = 2.55 ft
OD = 5.60"
ID = 3.83"
ΔP = 10,000 PSI
Max rate = 100 bpm
Ball P/N = 101898870
Ball size = 3.615"
Baffle P/N = 101912685
Baffle size = 3.473"
Depth = 7000 Ft

Zone # 5

DSSL P/N = 101799118
Length = 2.55 ft
OD = 5.60"
ID = 3.83"
ΔP = 10,000 PSI
Max rate = 100 bpm
Ball P/N = 101898869
Ball size = 3.37"
Baffle P/N = 101912684
Baffle size = 3.310"
Depth = 7310 Ft

Zone # 4

DSSL P/N = 101799118
Length = 2.55 ft
OD = 5.60"
ID = 3.83"
ΔP = 10,000 PSI
Max rate = 100 bpm
Ball P/N = 101898867
Ball size = 3.250
Baffle P/N = 101912683
Baffle size = 3.155
Depth = 7666 Ft

Zone # 3

DSSL P/N = 101799118
Length = 2.55 ft
OD = 5.60"
ID = 3.83"
ΔP = 10,000 PSI
Max rate = 100 bpm
Ball P/N = 101845713
Ball size = 3.125
Baffle P/N = 101912682
Baffle size = 3.040
Depth = 8021 Ft

Zone # 2

POV P/N =
101668549
Length = 2.63 ft
OD = 5.77"
ID = 3.83"
ΔP = 10 000 PSI
Max Rate = 70bpm
Depth = 8382 Ft

Zone # 1

FC& LC 4 1/2" 8RD
L80
FC P/N = 100004753
LC P/N = 101667839
OD = X.XX"
ID = 1.40"
ΔP = X,XXX PSI
Depth = 8429 Ft

FS 4 1/2" LTC
L80
FS P/N =
100004880
OD = X.XX"
ID = X.XX"
ΔP = 8477 PSI
Depth = XX,XXX
Ft

Drawing not to scale

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DIV. OF OIL, GAS & MINING

TIGHT HOLE

WELL PROFILE

OPERATOR PETROGRAPHWELL # Ute Tribal 29-116FIELD Antelope CanyonCOUNTY DuchesneSTATE UtahDATE 8-25-10

NEW COMPLETION



WORKOVER

Casing

Liner

Tubing

SIZE

7" 4 1/2" 2 3/8"

WEIGHT

26.1 116 65

GRADE

L-80 J-55 J-55

THREAD

1 1/4"

DEPTH

1208 847 5256

ITEM
NO.

TBC

EQUIPMENT AND SERVICES

103

1408

1 107343 2 3/8 6" J-55

5207.03

5221.03

2 2 3/8 PSN (2282D)

1.10

5522.13

3 2 1/2 TAC w/45 shear

280

5224.93

4 1 3/4 2 3/8 6" J-55

30.69

5255.62

5 2 3/8 1 1/2 w/p.v.

1.45

5256.06

0005

1 1/2 x 22 P. 2 1/2 x 1 1/2

2 x 7/8 d 2-8 x 7/8

69-7/8 Grade D Slick

132-3/4 Grade D Slick

4-3/4 Grade D Guide 4 per Every 4'

1-3/4 Grade D Guide 5 per

2 1/2 x 1 1/2 x 12 x 15 x 17 RHAC Spray Metal

National # PT224 3Cup Top Single Valve 129" Stroke

A 6998-7000 27HIS MD TVD 5942

B 7308-10 27HIS MD TVD 5929

C 7608-7670' 27HIS MD TVD 5928

D 8019-8021 27HIS MD TVD 5898

E 8382-84 27HIS MD TVD 5881

COMMENTS:

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DIV. OF OIL, GAS & MINING

CONFIDENTIAL

TIGHT HOLE

PREPARED BY

OFFICE

PHONE

MOUNTAIN
STATES
OIL TOOLS

Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500
BOISE, ID 83706
(208) 685-7600

Report Date 5/27/2010

**Casing Run In Hole
Tally Report**

Max. Casing Size: 7.000

Well Name:UTE TRIBAL 29-11G															
Field Name:		ANTELOPE CREEK		S/T/R:		29/5S/3W		County,State:		DUCHESNE, UT					
Operator:		PETROGLYPH		Location Desc:		5.27 miles SW of Bridgeland, UT		District:		UTAH					
Date In:		5/1/2010		Casing Type		5. Production		Hole Diam:		8.75		TD:		6250	
KB/RT to Top Jt:		14		Joints Run:		140		Casing Ftg:		6236.23		Block Wt:		0	
Buoy Factor:		0		Casing set at:		6236.23									
Tally Notes:															
RIH #	Jt #	Length	Cum Leng	Description	MD	Air Wt	Buoy Wt	Pipe Disp	# Ct	# Sc	# Tur	Size	Weight	Grade	
1	140	45.32	45.32		6236.23	1178	0	0.43	0	0	0	7.000	26.00	L-80	
2	139	45.30	90.62		6190.91	2356	0	0.86	0	0	0	7.000	26.00	L-80	
3	138	45.30	135.92		6145.61	3534	0	1.29	0	0	0	7.000	26.00	L-80	
4	137	45.32	181.24		6100.31	4712	0	1.71	0	0	0	7.000	26.00	L-80	
5	136	45.31	226.55		6054.99	5890	0	2.14	0	0	0	7.000	26.00	L-80	
6	135	44.96	271.51		6009.68	7059	0	2.57	0	0	0	7.000	26.00	L-80	
7	134	45.34	316.85		5964.72	8238	0	3.00	0	0	0	7.000	26.00	L-80	
8	133	45.30	362.15		5919.38	9416	0	3.43	0	0	0	7.000	26.00	L-80	
9	132	45.32	407.47		5874.08	10594	0	3.86	0	0	0	7.000	26.00	L-80	
10	131	45.34	452.81		5828.76	11773	0	4.28	0	0	0	7.000	26.00	L-80	
11	130	45.30	498.11		5783.42	12951	0	4.71	0	0	0	7.000	26.00	L-80	
12	129	45.04	543.15		5738.12	14122	0	5.14	0	0	0	7.000	26.00	L-80	
13	128	45.30	588.45		5693.08	15300	0	5.57	0	0	0	7.000	26.00	L-80	
14	127	45.31	633.76		5647.78	16478	0	6.00	0	0	0	7.000	26.00	L-80	
15	126	45.33	679.09		5602.47	17656	0	6.42	0	0	0	7.000	26.00	L-80	
16	125	45.36	724.45		5557.14	18836	0	6.85	0	0	0	7.000	26.00	L-80	
17	124	45.35	769.80		5511.78	20015	0	7.28	0	0	0	7.000	26.00	L-80	
18	123	45.34	815.14		5466.43	21194	0	7.71	0	0	0	7.000	26.00	L-80	
19	122	45.32	860.46		5421.09	22372	0	8.14	0	0	0	7.000	26.00	L-80	
20	121	45.29	905.75		5375.77	23550	0	8.57	0	0	0	7.000	26.00	L-80	
21	120	45.28	951.03		5330.48	24727	0	9.00	0	0	0	7.000	26.00	L-80	
22	119	45.30	996.33		5285.20	25905	0	9.43	0	0	0	7.000	26.00	L-80	
23	118	45.33	1041.66		5239.90	27083	0	9.86	0	0	0	7.000	26.00	L-80	
24	117	45.34	1087.00		5194.57	28262	0	10.28	0	0	0	7.000	26.00	L-80	
25	116	45.31	1132.31		5149.23	29440	0	10.71	0	0	0	7.000	26.00	L-80	
26	115	45.31	1177.62		5103.92	30618	0	11.14	0	0	0	7.000	26.00	L-80	
27	114	45.34	1222.96		5058.61	31797	0	11.57	0	0	0	7.000	26.00	L-80	
28	113	45.30	1268.26		5013.27	32975	0	12.00	0	0	0	7.000	26.00	L-80	
29	112	45.32	1313.58		4967.97	34153	0	12.43	0	0	0	7.000	26.00	L-80	
30	111	45.29	1358.87		4922.65	35331	0	12.86	0	0	0	7.000	26.00	L-80	
31	110	45.28	1404.15		4877.36	36508	0	13.28	0	0	0	7.000	26.00	L-80	
32	109	45.28	1449.43		4832.08	37685	0	13.71	0	0	0	7.000	26.00	L-80	
33	108	45.27	1494.70		4786.80	38862	0	14.14	0	0	0	7.000	26.00	L-80	
34	107	45.23	1539.93		4741.53	40038	0	14.57	0	0	0	7.000	26.00	L-80	
35	106	45.32	1585.25		4696.30	41217	0	15.00	0	0	0	7.000	26.00	L-80	
36	105	45.30	1630.55		4650.98	42394	0	15.43	0	0	0	7.000	26.00	L-80	
37	104	45.32	1675.87		4605.68	43573	0	15.86	0	0	0	7.000	26.00	L-80	
38	103	45.33	1721.20		4560.36	44751	0	16.28	0	0	0	7.000	26.00	L-80	
39	102	45.30	1766.50		4515.03	45929	0	16.71	0	0	0	7.000	26.00	L-80	
40	101	45.32	1811.82		4469.73	47107	0	17.14	0	0	0	7.000	26.00	L-80	
41	100	45.33	1857.15		4424.41	48286	0	17.57	0	0	0	7.000	26.00	L-80	
42	99	45.30	1902.45		4379.08	49464	0	18.00	0	0	0	7.000	26.00	L-80	

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TIGHT HOLE

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SEP 30 2010

DIV. OF OIL GAS & MINING

Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500
BOISE, ID 83706
(208) 685-7600

Report Date 5/27/2010

Casing Run In Hole Tally Report

Well Name:UTE TRIBAL 29-11G														
Field Name:		ANTELOPE CREEK		S/T/R:		29/5S/3W		County, State:		DUCHESENE, UT				
Operator:		PETROGLYPH		Location Desc:		5.27 miles SW of Bridgeland, U		District:		UTAH				
RIH #	Jt #	Length	Cum Leng	Description	MD	Air Wt	Buoy Wt	Pipe Disp	# Ct	# Sc	# Tur	Size	Weight	Grade
43	98	45.31	1947.76		4333.78	50642	0	18.43	0	0	0	7.000	26.00	L-80
44	97	45.32	1993.08		4288.47	51820	0	18.86	0	0	0	7.000	26.00	L-80
45	96	45.30	2038.38		4243.15	52998	0	19.29	0	0	0	7.000	26.00	L-80
46	95	45.31	2083.69		4197.85	54176	0	19.71	0	0	0	7.000	26.00	L-80
47	94	45.29	2128.98		4152.54	55353	0	20.14	0	0	0	7.000	26.00	L-80
48	93	45.30	2174.28		4107.25	56531	0	20.57	0	0	0	7.000	26.00	L-80
49	92	45.32	2219.60		4061.95	57710	0	21.00	0	0	0	7.000	26.00	L-80
50	91	45.30	2264.90		4016.63	58887	0	21.43	0	0	0	7.000	26.00	L-80
51	90	45.32	2310.22		3971.33	60066	0	21.86	0	0	0	7.000	26.00	L-80
52	89	45.33	2355.55		3926.01	61244	0	22.29	0	0	0	7.000	26.00	L-80
53	88	45.36	2400.91		3880.68	62424	0	22.72	0	0	0	7.000	26.00	L-80
54	87	45.34	2446.25		3835.32	63603	0	23.14	0	0	0	7.000	26.00	L-80
55	86	45.30	2491.55		3789.98	64780	0	23.57	0	0	0	7.000	26.00	L-80
56	85	45.32	2536.87		3744.68	65959	0	24.00	0	0	0	7.000	26.00	L-80
57	84	45.32	2582.19		3699.36	67137	0	24.43	0	0	0	7.000	26.00	L-80
58	83	45.31	2627.50		3654.04	68315	0	24.86	0	0	0	7.000	26.00	L-80
59	82	45.29	2672.79		3608.73	69493	0	25.29	0	0	0	7.000	26.00	L-80
60	81	45.33	2718.12		3563.44	70671	0	25.72	0	0	0	7.000	26.00	L-80
61	80	45.30	2763.42		3518.11	71849	0	26.14	0	0	0	7.000	26.00	L-80
62	79	45.30	2808.72		3472.81	73027	0	26.57	0	0	0	7.000	26.00	L-80
63	78	45.30	2854.02		3427.51	74205	0	27.00	0	0	0	7.000	26.00	L-80
64	77	45.32	2899.34		3382.21	75383	0	27.43	0	0	0	7.000	26.00	L-80
65	76	45.29	2944.63		3336.89	76560	0	27.86	0	0	0	7.000	26.00	L-80
66	75	45.56	2990.19		3291.60	77745	0	28.29	0	0	0	7.000	26.00	L-80
67	74	44.98	3035.17		3246.04	78914	0	28.72	0	0	0	7.000	26.00	L-80
68	73	45.33	3080.50		3201.06	80093	0	29.14	0	0	0	7.000	26.00	L-80
69	72	45.28	3125.78		3155.73	81270	0	29.57	0	0	0	7.000	26.00	L-80
70	71	45.34	3171.12		3110.45	82449	0	30.00	0	0	0	7.000	26.00	L-80
71	70	45.32	3216.44		3065.11	83627	0	30.43	0	0	0	7.000	26.00	L-80
72	69	45.30	3261.74		3019.79	84805	0	30.86	0	0	0	7.000	26.00	L-80
73	68	45.31	3307.05		2974.49	85983	0	31.29	0	0	0	7.000	26.00	L-80
74	67	45.36	3352.41		2929.18	87163	0	31.72	0	0	0	7.000	26.00	L-80
75	66	45.31	3397.72		2883.82	88341	0	32.15	0	0	0	7.000	26.00	L-80
76	65	45.32	3443.04		2838.51	89519	0	32.57	0	0	0	7.000	26.00	L-80
77	64	45.29	3488.33		2793.19	90697	0	33.00	0	0	0	7.000	26.00	L-80
78	63	45.32	3533.65		2747.90	91875	0	33.43	0	0	0	7.000	26.00	L-80
79	62	45.28	3578.93		2702.58	93052	0	33.86	0	0	0	7.000	26.00	L-80
80	61	45.34	3624.27		2657.30	94231	0	34.29	0	0	0	7.000	26.00	L-80
81	60	45.01	3669.28		2611.96	95401	0	34.72	0	0	0	7.000	26.00	L-80
82	59	40.51	3709.79		2566.95	96455	0	35.10	0	0	0	7.000	26.00	L-80
83	58	45.32	3755.11		2526.44	97633	0	35.53	0	0	0	7.000	26.00	L-80
84	57	45.05	3800.16		2481.12	98804	0	35.95	0	0	0	7.000	26.00	L-80
85	56	45.30	3845.46		2436.07	99982	0	36.38	0	0	0	7.000	26.00	L-80
86	55	40.66	3886.12		2390.77	101039	0	36.77	0	0	0	7.000	26.00	L-80
87	54	45.28	3931.40		2350.11	102216	0	37.20	0	0	0	7.000	26.00	L-80
88	53	45.00	3976.40		2304.83	103386	0	37.62	0	0	0	7.000	26.00	L-80
89	52	42.83	4019.23		2259.83	104500	0	38.03	0	0	0	7.000	26.00	L-80
90	51	45.32	4064.55		2217.00	105678	0	38.45	0	0	0	7.000	26.00	L-80

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Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500
BOISE, ID 83706
(208) 685-7600

Report Date 5/27/2010

**Casing Run In
Hole Tally Report**

Well Name:UTE TRIBAL 29-11G														
Field Name:		ANTELOPE CREEK		S/T/R:		29/5S/3W		County,State:		DUCHEсне, UT				
Operator:		PETROGLYPH		Location Desc:		5.27 miles SW of Bridgeland, U		District:		UTAH				
RIH #	Jt #	Length	Cum Leng	Description	MD	Air Wt	Buoy Wt	Pipe Disp	# Ct	# Sc	# Tur	Size	Weight	Grade
91	50	45.30	4109.85		2171.68	106856	0	38.88	0	0	0	7.000	26.00	L-80
92	49	45.50	4155.35		2126.38	108039	0	39.31	0	0	0	7.000	26.00	L-80
93	48	45.31	4200.66		2080.88	109217	0	39.74	0	0	0	7.000	26.00	L-80
94	47	45.31	4245.97		2035.57	110395	0	40.17	0	0	0	7.000	26.00	L-80
95	46	45.30	4291.27		1990.26	111573	0	40.60	0	0	0	7.000	26.00	L-80
96	45	45.30	4336.57		1944.96	112751	0	41.03	0	0	0	7.000	26.00	L-80
97	44	45.36	4381.93		1899.66	113930	0	41.46	0	0	0	7.000	26.00	L-80
98	43	45.32	4427.25		1854.30	115108	0	41.89	0	0	0	7.000	26.00	L-80
99	42	45.34	4472.59		1808.98	116287	0	42.32	0	0	0	7.000	26.00	L-80
100	41	45.32	4517.91		1763.64	117466	0	42.74	0	0	0	7.000	26.00	L-80
101	40	45.34	4563.25		1718.32	118644	0	43.17	0	0	0	7.000	26.00	L-80
102	39	45.34	4608.59		1672.98	119823	0	43.60	0	0	0	7.000	26.00	L-80
103	38	45.32	4653.91		1627.64	121002	0	44.03	0	0	0	7.000	26.00	L-80
104	37	45.32	4699.23		1582.32	122180	0	44.46	0	0	0	7.000	26.00	L-80
105	36	45.31	4744.54		1537.00	123358	0	44.89	0	0	0	7.000	26.00	L-80
106	35	45.31	4789.85		1491.69	124536	0	45.32	0	0	0	7.000	26.00	L-80
107	34	45.30	4835.15		1446.38	125714	0	45.75	0	0	0	7.000	26.00	L-80
108	33	44.92	4880.07		1401.08	126882	0	46.17	0	0	0	7.000	26.00	L-80
109	32	45.31	4925.38		1356.16	128060	0	46.60	0	0	0	7.000	26.00	L-80
110	31	45.03	4970.41		1310.85	129231	0	47.03	0	0	0	7.000	26.00	L-80
111	30	45.02	5015.43		1265.82	130401	0	47.45	0	0	0	7.000	26.00	L-80
112	29	45.34	5060.77		1220.80	131580	0	47.88	0	0	0	7.000	26.00	L-80
113	28	45.30	5106.07		1175.46	132758	0	48.31	0	0	0	7.000	26.00	L-80
114	27	45.31	5151.38		1130.16	133936	0	48.74	0	0	0	7.000	26.00	L-80
115	26	45.30	5196.68		1084.85	135114	0	49.17	0	0	0	7.000	26.00	L-80
116	25	45.35	5242.03		1039.55	136293	0	49.60	0	0	0	7.000	26.00	L-80
117	24	45.36	5287.39		994.20	137472	0	50.02	0	0	0	7.000	26.00	L-80
118	23	45.31	5332.70		948.84	138650	0	50.45	0	0	0	7.000	26.00	L-80
119	22	45.32	5378.02		903.53	139829	0	50.88	0	0	0	7.000	26.00	L-80
120	21	45.31	5423.33		858.21	141007	0	51.31	0	0	0	7.000	26.00	L-80
121	20	45.03	5468.36		812.90	142177	0	51.74	0	0	0	7.000	26.00	L-80
122	19	45.30	5513.66		767.87	143355	0	52.17	0	0	0	7.000	26.00	L-80
123	18	44.74	5558.40		722.57	144518	0	52.59	0	0	0	7.000	26.00	L-80
124	17	45.32	5603.72		677.83	145697	0	53.02	0	0	0	7.000	26.00	L-80
125	16	45.30	5649.02		632.51	146875	0	53.45	0	0	0	7.000	26.00	L-80
126	15	45.33	5694.35		587.21	148053	0	53.87	0	0	0	7.000	26.00	L-80
127	14	44.98	5739.33		541.88	149223	0	54.30	0	0	0	7.000	26.00	L-80
128	13	45.56	5784.89		496.90	150407	0	54.73	0	0	0	7.000	26.00	L-80
129	12	45.32	5830.21		451.34	151585	0	55.16	0	0	0	7.000	26.00	L-80
130	11	45.33	5875.54		406.02	152764	0	55.59	0	0	0	7.000	26.00	L-80
131	10	45.32	5920.86		360.69	153942	0	56.02	0	0	0	7.000	26.00	L-80
132	9	45.32	5966.18		315.37	155121	0	56.45	0	0	0	7.000	26.00	L-80
133	8	41.36	6007.54		270.05	156196	0	56.84	0	0	0	7.000	26.00	L-80
134	7	45.31	6052.85		228.69	157374	0	57.27	0	0	0	7.000	26.00	L-80
135	6	45.02	6097.87		183.38	158545	0	57.69	0	0	0	7.000	26.00	L-80
136	5	45.32	6143.19		138.36	159723	0	58.12	0	0	0	7.000	26.00	L-80
137	4	45.20	6188.39		93.04	160898	0	58.55	0	0	0	7.000	26.00	L-80
138	3	1.00	6189.39		47.84	160924	0	58.56	0	0	0	7.000	26.00	L-80

Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500
BOISE, ID 83706
(208) 685-7600

Report Date 5/27/2010

Casing Run In
Hole Tally Report

Well Name: UTE TRIBAL 29-11G														
Field Name:		ANTELOPE CREEK		S/T/R:		29/5S/3W		County, State:		DUCHESNE, UT				
Operator:		PETROGLYPH		Location Desc:		5.27 miles SW of Bridgeland, UT		District:		UTAH				
RIH #	Jt #	Length	Cum Leng	Description	MD	Air Wt	Buoy Wt	Pipe Disp	# Ct	# Sc	# Tur	Size	Weight	Grade
139	2	45.34	6234.73		46.84	162103	0	58.99	0	0	0	7.000	26.00	L-80
140	1	1.50	6236.23		1.50	162142	0	59.00	0	0	0	7.000	26.00	L-80